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ABSTRACT

The primary emphasis of the Texas Junior High School Study was the investigation of process-outcome relationships in 136 junior high school math and English classes. A total of 68 teachers were observed in nine junior high schools in a large urban school district. Teachers also responded to a questionnaire and an interview focusing on presage variables such as teachers' beliefs, expectations, assumptions about teaching, and self-reports of instructional practices. Two outcome measures were used: an achievement test reflecting the subject matter taught, and student ratings of teachers. Volume II presents four tables: prediction of student mathematics achievement from teacher questionnaire and California Achievement Test; prediction of student mathematics achievement from teacher interview and California Achievement Test; prediction of student English achievement from teacher questionnaire and California Achievement Test; and prediction of student English achievement from teacher interview and California Achievement Test. (Author/BW)

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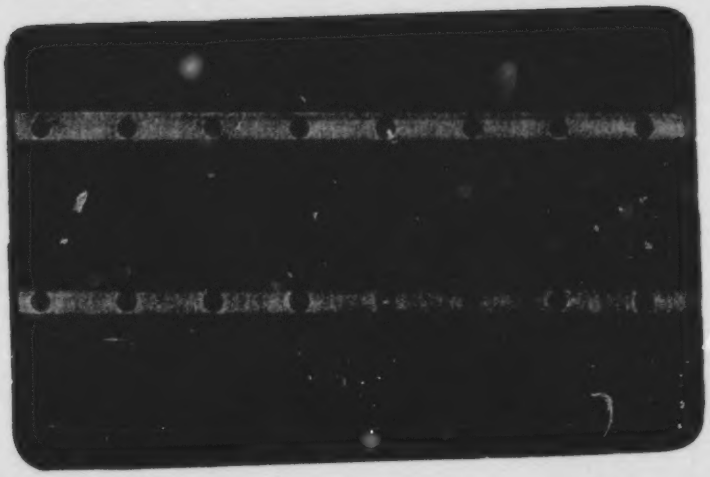

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Texas Junior High School Study:

Teacher Self-reports and Student Outcomes

Tables Presenting Relationships

with Student Achievement

Volume II

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TABLE 1

PREDICTION OF STUDENT MATH ACHIEVEMENT

FROM TEACHER QUESTIONNAIRE AND CALIFORNIA ACHIEVEMENT TEST

USING MULTIPLE REGRESSION ANALYSES

C

PCT OF STUDENTS TEACHER EXPECTS TO MASTER CURRICULUM

CB VARIABLE 1 ID = 86001

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8015

DIFFERENCE = .0038 P = .3146

MODEL 2, ACH = CAT + CB R2 = .7977

DIFFERENCE = .0078 P = .1479

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0988

HI CB = 3.8192 LO CB = 1.9739

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7334
LO CAT, HI CB = -1.0255
HI CAT, LO CB = .8475
HI CAT, HI CB = .8528

PCT OF GRADES BASED ON OBJECTIVE EVIDENCE

CB VARIABLE 2 ID = 86002
NUMBER OF VALID SCORES = 56

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7944

DIFFERENCE = .0011 P = .6866

MODEL 2, ACH = CAT + CB R2 = .7933

DIFFERENCE = .0032 P = .3734

MODEL 3, ACH = CAT R2 = .7901

BETA FOR CB IN MODEL 2 = .0576

HI CB = 4.1248 LO CB = 2.4466

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9648
LO CAT, HI CB = -.8015
HI CAT, LO CB = .8958
HI CAT, HI CB = .9889

PCT OF GRADES BASED ON SUBJECTIVE EVIDENCE

CB VARIABLE 3 ID = 86003
NUMBER OF VALID SCORES = 56

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8003

DIFFERENCE = .0064 P = .1986

MODEL 2, ACH = CAT + CB R2 = .7939

DIFFERENCE = .0038 P = .3299

MODEL 3, ACH = CAT R2 = .7901

BETA FOR CB IN MODEL 2 = -.0624

HI CB = 1.9885 LO CB = .8280

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7635
LO CAT, HI CB = -1.0327
HI CAT, LO CB = .8867
HI CAT, HI CB = .9716

Teachers believe that:

DISCIPLINE PROBLEMS ARE DUE TO LACK OF INTEREST IN SUBJECT

CB VARIABLE 4 ID = 86004
NUMBER OF VALID SCORES = 56

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8043

DIFFERENCE = .0138 P = .0579

MODEL 2, ACH = CAT + CB R2 = .7905

DIFFERENCE = .0004 P = .7588

MODEL 3, ACH = CAT R2 = .7901

BETA FOR CB IN MODEL 2 = .0295

HI CB = 3.2744 LO CB = .7978

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8285
LO CAT, HI CB = -.9984
HI CAT, LO CB = .8746
HI CAT, HI CB = 1.0008

DISCIPLINE PROBLEMS ARE DUE TO LAXITY IN ENFORCING RULES

CB VARIABLE 5 ID = 06005
NUMBER OF VALID SCORES = 56

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0027

DIFFERENCE = .0018 P = .5836

MODEL 2, ACH = CAT + CB R2 = .0009

DIFFERENCE = .0108 P = .8916

MODEL 3, ACH = CAT R2 = .7901

BETA FOR CB IN MODEL 2 = -.1084

HI CB = 2.4337 LO CB = -.8765

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8732
LO CAT, HI CB = -.9978
HI CAT, LO CB = 1.0819
HI CAT, HI CB = .8255

DISCIPLINE PROBLEMS ARE DUE TO FACTORS INTRINSIC IN STUDENT

CB VARIABLE 6 ID = 06006
NUMBER OF VALID SCORES = 52

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7661

DIFFERENCE = .0117 P = .1238

MODEL 2, ACH = CAT + CB R2 = .7543

DIFFERENCE = .0288 P = .0193

MODEL 3, ACH = CAT R2 = .7255

BETA FOR CB IN MODEL 2 = .1748

HI CB = 2.0391 LO CB = -.2699

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -1.0603
LO CAT, HI CB = -.4538
HI CAT, LO CB = .7476
HI CAT, HI CB = .8731

CLASS TIME SHOULD BE SPENT IN LECTURES, DEMONSTRATIONS

CB VARIABLE 7 ID = 06007

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7905

DIFFERENCE = .0003 P = .7660

MODEL 2, ACH = CAT + CB R2 = .7902

DIFFERENCE = .0002 P = .8116

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0144

HI CB = 1.5215 LO CB = .4895

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8888
LO CAT, HI CB = -.8980
HI CAT, LO CB = .8560
HI CAT, HI CB = .9224

CLASS TIME SHOULD BE SPENT IN QUESTIONS, DISCUSSIONS

CB VARIABLE 8 ID = 06008

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8054

DIFFERENCE = .0012 P = .5742

MODEL 2, ACH = CAT + CB R2 = .8042

DIFFERENCE = .0142 P = .0479

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .1398

HI CB = 1.9569 LO CB = .3190

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -1.0869
LO CAT, HI CB = -.6749
HI CAT, LO CB = .7837
HI CAT, HI CB = .9662

CLASS TIME SHOULD BE SPENT IN SEATWORK .

CB VARIABLE 9 ID = 86089

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7914

DIFFERENCE = .0006 P = .6917

MODEL 2, ACH = CAT + CB R2 = .7907

DIFFERENCE = .0008 P = .6562

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0308

HI CB = 2.8559 LO CB = .9372

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8211
LO CAT, HI CB = -.9489
HI CAT, LO CB = .8958
HI CAT, HI CB = .9176

TEACHER LIKES HIGH LEVEL OF ERRORLESS PERFORMANCE IN CLASS DISCUSSIONS

CB VARIABLE 10 ID = 86010
NUMBER OF VALID SCORES = 52

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7785

DIFFERENCE = .0001 P = .8742

MODEL 2, ACH = CAT + CB R2 = .7784

DIFFERENCE = .0002 P = .8484

MODEL 3, ACH = CAT R2 = .7782

BETA FOR CB IN MODEL 2 = .0131

HI CB = 3.9777 LO CB = 2.4869

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8829
LO CAT, HI CB = -.8753
HI CAT, LO CB = .8562
HI CAT, HI CB = .9019

TEACHER LIKES HIGH LEVEL OF ERRORLESS PERFORMANCE IN SEATWORK

CB VARIABLE 11 ID = 86011
NUMBER OF VALID SCORES = 52

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7828

DIFFERENCE = .0011 P = .6233

MODEL 2, ACH = CAT + CB R2 = .7817

DIFFERENCE = .0035 P = .3839

MODEL 3, ACH = CAT R2 = .7782

BETA FOR CB IN MODEL 2 = -.0594

HI CB = 4.2073 LO CB = 2.7157

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7736
LO CAT, HI CB = -.9605
HI CAT, LO CB = .8976
HI CAT, HI CB = .8498

TEACHERS SPEND HIGH PCT OF TIME TEACHING INDIVIDUALS

CB VARIABLE 12 ID = 86012
NUMBER OF VALID SCORES = 56

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7947

DIFFERENCE = .0007 P = .6758

MODEL 2, ACH = CAT + CB R2 = .7940

DIFFERENCE = .0042 P = .1478

MODEL 3, ACH = CAT R2 = .7857

BETA FOR CB IN MODEL 2 = -.0988

HI CB = 2.4749 LO LB = .6679

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8217
LO CAT, HI CB = -.9258
HI CAT, LO CB = .9952
HI CAT, HI CB = .7459

TEACHERS SPEND HIGH PCT OF TIME TEACHING SUBGROUPS

CB VARIABLE 13 ID = 86013
NUMBER OF VALID SCORES = 54

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .6998

DIFFERENCE = .0018 P = .1881

MODEL 2, ACH = CAT + CB R2 = .6880

DIFFERENCE = .0033 P = .4756

MODEL 3, ACH = CAT R2 = .6848

BETA FOR CB IN MODEL 2 = -.0592

HI CB = 1.3867 LO CB = -.0534

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8987
LO CAT, HI CB = -.8296
HI CAT, LO CB = .9847
HI CAT, HI CB = .6258

TEACHERS SPEND HIGH PCT OF TIME TEACHING WHOLE CLASS

CB VARIABLE 14 ID = 86014
NUMBER OF VALID SCORES = 56

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8076

DIFFERENCE = .0001 P = .8988

MODEL 2, ACH = CAT + CB R2 = .8076

DIFFERENCE = .0218 P = .0166

MODEL 3, ACH = CAT R2 = .7857

BETA FOR CB IN MODEL 2 = .1516

HI CB = 3.1952 LO CB = .8048

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -1.0151
LO CAT, HI CB = -.6965
HI CAT, LO CB = .7139
HI CAT, HI CB = 1.0041

FREQUENCY OF HOMEWORK ASSIGNED

CB VARIABLE 15 ID = 86015

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7967

DIFFERENCE = .0006 P = .7034

MODEL 2, ACH = CAT + CB R2 = .7961

DIFFERENCE = .0061 P = .2008

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0812

HI CB = 3.6387 LO CB = 1.4589

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9178
LO CAT, HI CB = -.6204
HI CAT, LO CB = .7179
HI CAT, HI CB = .9776

MOST VALUABLE INFORMATION ABOUT STUDENTS COMES FROM GRADES

CB VARIABLE 16 ID = 86016

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7947

DIFFERENCE = .0035 P = .3418

MODEL 2, ACH = CAT + CB R2 = .7911

DIFFERENCE = .0012 P = .5861

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0348

HI CB = .6128 LO CB = -.1982

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8782
LO CAT, HI CB = -.9332
HI CAT, LO CB = .7892
HI CAT, HI CB = 1.0758

MOST VALUABLE INFORMATION ABOUT STUDENTS COMES FROM ACHIEVEMENT TESTS

CB VARIABLE 17 ID = 86017

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7919

DIFFERENCE = .0019 P = .4933

MODEL 2, ACH = CAT + CB R2 = .7900

DIFFERENCE = .0000 P = .9922

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0003

HI CB = .7738 LO CB = -.1523

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9582
LO CAT, HI CB = -.8762
HI CAT, LO CB = .9572
HI CAT, HI CB = .8735

MOST VALUABLE INFORMATION ABOUT STUDENTS COMES FROM SUBJECTIVE EVALUATION

CB VARIABLE 18 ID = 86018

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7936

DIFFERENCE = .0022 P = .4598

MODEL 2, ACH = CAT + CB R2 = .7915

DIFFERENCE = .0015 P = .5375

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0398

HI CB = 1.0498 LO CB = .0548

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9876
LO CAT, HI CB = -.9438
HI CAT, LO CB = .8243
HI CAT, HI CB = 1.0089

TEACHERS TRY TO DRESS UP LESSONS TO MAKE THEM INTERESTING

CB VARIABLE 19 ID = 86019

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8284

DIFFERENCE = .0129 P = .0463

MODEL 2, ACH = CAT + CB R2 = .8155

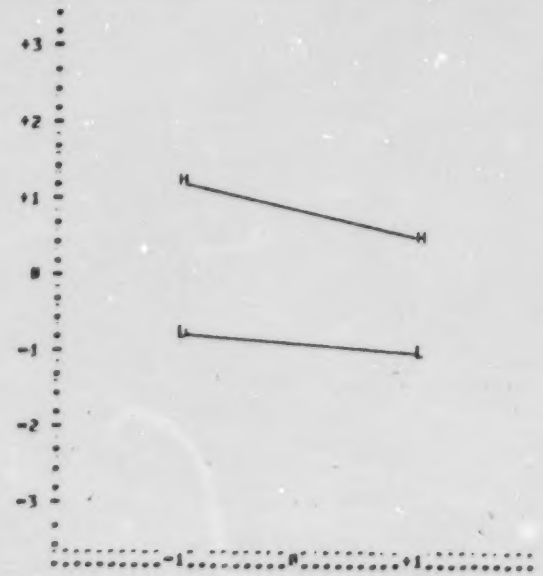
DIFFERENCE = .0256 P = .0078

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.1642

HI CB = 1.2869 LO CB = .5172

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8848
LO CAT, HI CB = -1.0864
HI CAT, LO CB = 1.3143
HI CAT, HI CB = .6113



TEACHERS ASSUME STUDENTS WILL ENJOY LESSON WITHOUT SPECIAL EFFORTS

CB VARIABLE 20 ID = 06020

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8284

DIFFERENCE = .0129 P = .0863

MODEL 2, ACH = CAT + CB R2 = .8155

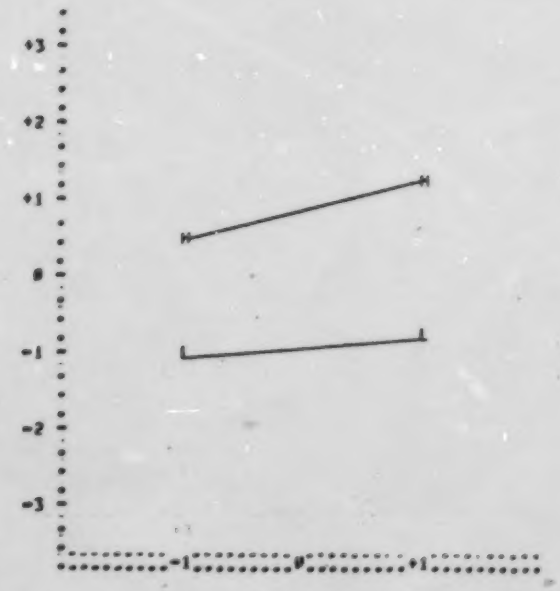
DIFFERENCE = .0256 P = .0078

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .1642

HI CB = .4828 LO CB = -.2869

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -1.0864
LO CAT, HI CB = -.8848
HI CAT, LO CB = .6113
HI CAT, HI CB = 1.3143



Teachers measure their success by:

STUDENTS APPEARING TO UNDERSTAND THE MATERIAL

CB VARIABLE 21 ID = 06021

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8023

DIFFERENCE = .0050 P = .2073

MODEL 2, ACH = CAT + CB R2 = .7974

DIFFERENCE = .0074 P = .1586

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0863

HI CB = 1.1865 LO CB = .3307

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8628
LO CAT, HI CB = -.8574
HI CAT, LO CB = .6459
HI CAT, HI CB = 1.0391

STUDENTS ASKING FEWER QUESTIONS

CB VARIABLE 22 ID = 06022

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7944

DIFFERENCE = .0010 P = .6223

MODEL 2, ACH = CAT + CB R2 = .7935

DIFFERENCE = .0035 P = .3393

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0689

HI CB = .6693 LO CB = -.1865

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9358
LO CAT, HI CB = -.8682
HI CAT, LO CB = .8887
HI CAT, HI CB = 1.0169

STUDENTS BEGINNING WORK IMMEDIATELY

CB VARIABLE 23 ID = B6023

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8107

DIFFERENCE = .0018 P = .4825

MODEL 2, ACH = CAT + CB R2 = .8089

DIFFERENCE = .0189 P = .0219

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.1559

HI CB = 1.0169 LO CB = .0175

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.6171
LO CAT, HI CB = -1.0156
HI CAT, LO CB = .9586
HI CAT, HI CB = .7755

SLOWER STUDENTS APPEARING TO UNDERSTAND

CB VARIABLE 24 ID = B6024

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8027

DIFFERENCE = .0007 P = .6581

MODEL 2, ACH = CAT + CB R2 = .8019

DIFFERENCE = .0120 P = .0788

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.1108

HI CB = 1.1523 LO CB = .2270

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8522
LO CAT, HI CB = -.9952
HI CAT, LO CB = 1.1886
HI CAT, HI CB = .7685

CORRECTLY DONE SEATWORK ASSIGNMENTS

CB VARIABLE 25 ID = B6025

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8076

DIFFERENCE = .0176 P = .0284

MODEL 2, ACH = CAT + CB R2 = .7900

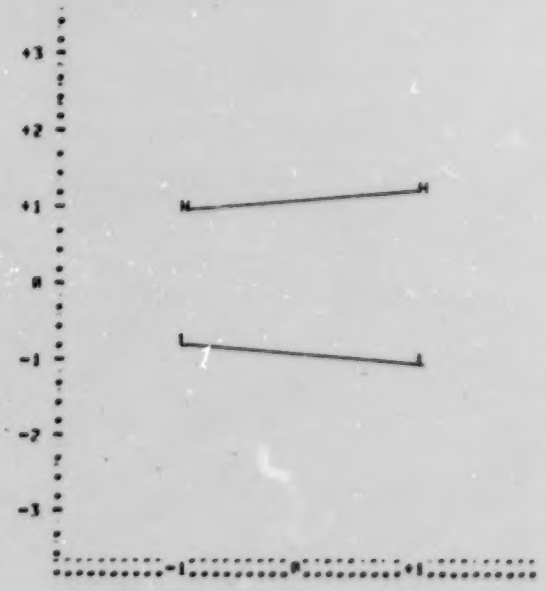
DIFFERENCE = .0000 P = .9374

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0852

HI CB = 1.1305 LO CB = .1799

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7632
LO CAT, HI CB = -1.0661
HI CAT, LO CB = .8964
HI CAT, HI CB = 1.1671



A WELL-BEHAVED CLASS

CB VARIABLE 26 ID = 86026

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7929

DIFFERENCE = .0000 P = .9917

MODEL 2, ACH = CAT + CB R2 = .7929

DIFFERENCE = .0029 P = .3873

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0548

HI CB = 1.1959 LO CB = .1355

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9402
LO CAT, HI CB = -.7124
HI CAT, LO CB = -.3122
HI CAT, HI CB = .9404

STUDENTS APPEARING TO ENJOY SCHOOL

CB VARIABLE 27 ID = 86027

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8019

DIFFERENCE = .0036 P = .3296

MODEL 2, ACH = CAT + CB R2 = .7983

DIFFERENCE = .0084 P = .1328

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0922

HI CB = 1.0498 LO CB = .0544

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8805
LO CAT, HI CB = -.8274
HI CAT, LO CB = .6661
HI CAT, HI CB = 1.0856

STUDENTS BEING ABLE TO WORK ON THEIR OWN

CB VARIABLE 28 ID = 86028

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7930

DIFFERENCE = .0030 P = .3859

MODEL 2, ACH = CAT + CB R2 = .7900

DIFFERENCE = .0000 P = .9345

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0850

HI CB = 1.1523 LO CB = .2270

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9508
LO CAT, HI CB = -.8327
HI CAT, LO CB = .9615
HI CAT, HI CB = .8438

Teachers believe that:

PARENTS ARE BEST UTILIZED AS TUTORS AT HOME

CB VARIABLE 29 ID = 86029

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8171

DIFFERENCE = .0010 P = .5984

MODEL 2, ACH = CAT + CB R2 = .8161

DIFFERENCE = .0261 P = .0071

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.1718

HI CB = .9456 LO CB = -.8498

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.6827
LO CAT, HI CB = -.9616
HI CAT, LO CB = 1.0189
HI CAT, HI CB = .5669

PARENTS ARE BEST UTILIZED IN PTA AND PROJECT PARTICIPATION

CB VARIABLE 30 ID = 06030

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7941

DIFFERENCE = .0029 P = .3987

MODEL 2, ACH = CAT + CB R2 = .7912

DIFFERENCE = .0012 P = .5754

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0354

HI CB = .6693 LO CB = -.1865

EXPECTED VALUES FROM MODEL 1 (Z-SCALED)
LO CAT, LO CB = -.8029
LO CAT, HI CB = -1.0888
HI CAT, LO CB = .8763
HI CAT, HI CB = .9217

PARENTS ARE BEST UTILIZED FOR HELP IN FIELD TRIPS

CB VARIABLE 31 ID = 06031

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7947

DIFFERENCE = .0026 P = .4182

MODEL 2, ACH = CAT + CB R2 = .7921

DIFFERENCE = .0022 P = .4578

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0468

HI CB = .9825 LO CB = -.0169

EXPECTED VALUES FROM MODEL 1 (Z-SCALED)
LO CAT, LO CB = -.8816
LO CAT, HI CB = -1.0831
HI CAT, LO CB = .8992
HI CAT, HI CB = .9192

PARENTS ARE BEST UTILIZED IN EXTRACURRICULAR ACTIVITIES

CB VARIABLE 32 ID = 06032

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8042

DIFFERENCE = .0017 P = .4989

MODEL 2, ACH = CAT + CB R2 = .8025

DIFFERENCE = .0126 P = .0635

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.1124

HI CB = .5502 LO CB = -.2053

EXPECTED VALUES FROM MODEL 1 (Z-SCALED)
LO CAT, LO CB = -.7293
LO CAT, HI CB = -1.0362
HI CAT, LO CB = .9478
HI CAT, HI CB = .8325

PARENTS ARE BEST UTILIZED IN DISCIPLINING STUDENTS AT HOME

CB VARIABLE 33 ID = 06033

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7943

DIFFERENCE = .0009 P = .6320

MODEL 2, ACH = CAT + CB R2 = .7934

DIFFERENCE = .0034 P = .3474

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0589

HI CB = 1.1488 LO CB = .7831

EXPECTED VALUES FROM MODEL 1 (Z-SCALED)
LO CAT, LO CB = -.9053
LO CAT, HI CB = -.9892
HI CAT, LO CB = 3.6399
HI CAT, HI CB = .5871

PARENTS ARE BEST UTILIZED BY SEEING THAT HOMEWORK, PROJECTS GET DONE

CB VARIABLE 34 ID = 86034

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7993

DIFFERENCE = .0008 P = .6567

MODEL 2, ACH = CAT + CB R2 = .7985

DIFFERENCE = .0086 P = .1282

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0928

HI CB = 1.1982 LO CB = .3880

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7752
LO CAT, HI CB = -1.0142
HI CAT, LO CB = .9495
HI CAT, HI CB = .8389

PARENTS ARE BEST UTILIZED TO PROVIDE WARM, POSITIVE HOME ENVIRONMENT

CB VARIABLE 35 ID = 86035

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8082

DIFFERENCE = .0174 P = .0293

MODEL 2, ACH = CAT + CB R2 = .7908

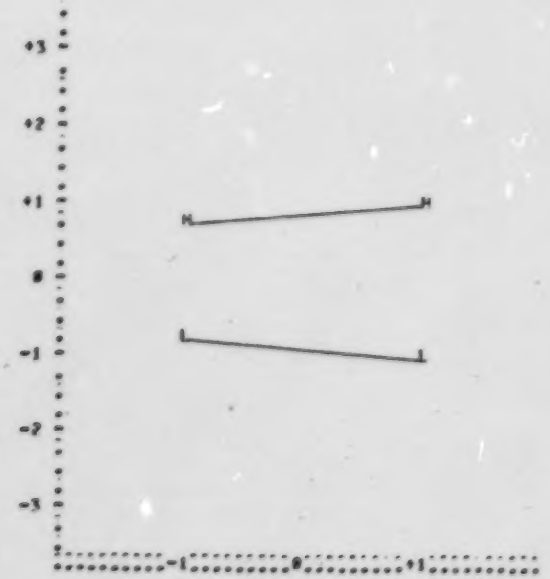
DIFFERENCE = .0089 P = .6373

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0297

HI CB = 1.2069 LO CB = .5172

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7099
LO CAT, HI CB = -1.0851
HI CAT, LO CB = .6819
HI CAT, HI CB = 1.0523



PARENTS ARE BEST UTILIZED TO PROVIDE ENRICHMENT, BOOKS, ETC.

CB VARIABLE 36 ID = 86036

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .7918

DIFFERENCE = .0001 P = .8688

MODEL 2. ACH = CAT + CB R2 = .7917

DIFFERENCE = .0017 P = .5117

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0419

HI CB = .9825 LO CB = -.0169

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.9861
LO CAT, HI CB = -.8453
HI CAT, LO CB = .8152
HI CAT, HI CB = .9274

Teacher beliefs about good teaching:

ABILITY TO EXPLAIN OR SHOW HOW

CB VARIABLE 37 ID = 86037
NUMBER OF VALID SCORES = 56

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .8247

DIFFERENCE = .0321 P = .0835

MODEL 2. ACH = CAT + CB R2 = .7925

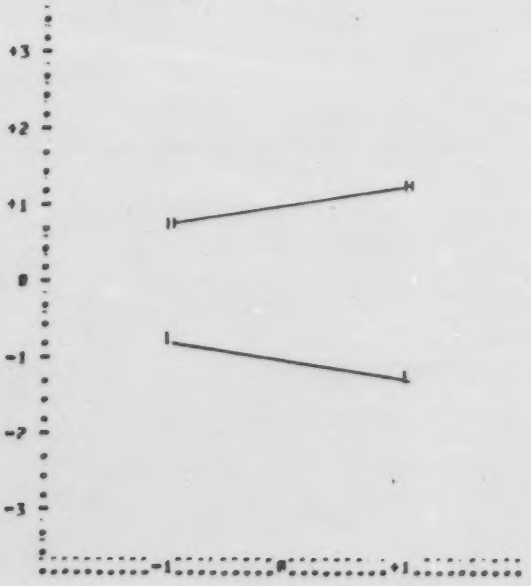
DIFFERENCE = .0012 P = .5850

MODEL 3. ACH = CAT R2 = .7913

BETA FOR CB IN MODEL 2 = .0351

HI CB = 4.1268 LO CB = 2.8732

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.7797
LO CAT, HI CB = -1.1352
HI CAT, LO CB = .6948
HI CAT, HI CB = 1.2924



ABILITY TO INITIATE OR DIRECT

CB VARIABLE 38 ID = 86038
NUMBER OF VALID SCORES = 54

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7[illegible]

DIFFERENCE = .0033 P = .1481

MODEL 2, ACH = CAT + CB R2 = .8044

DIFFERENCE = .0128 P = .0698

MODEL 3, ACH = CAT R2 = .7916

BETA FOR CB IN MODEL 2 = .1134

HI CB = 3.6922 LO CB = 2.1597

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9007
LO CAT, HI CB = -.8614
HI CAT, LO CB = .6221
HI CAT, HI CB = 1.1671

ABILITY TO DIAGNOSE LEARNING PROBLEMS

CB VARIABLE 39 ID = 86039
NUMBER OF VALID SCORES = 56

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7938

DIFFERENCE = .0002 P = .8847

MODEL 2, ACH = CAT + CB R2 = .7936

DIFFERENCE = .0006 P = .6896

MODEL 3, ACH = CAT R2 = .7929

BETA FOR CB IN MODEL 2 = -.0253

HI CB = 3.8881 LO CB = 2.5484

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8911
LO CAT, HI CB = -.9964
HI CAT, LO CB = .9368
HI CAT, HI CB = .8808

ABILITY TO MAKE CURRICULUM MATERIALS

CB VARIABLE 40 ID = 86040

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8067

DIFFERENCE = .0048 P = .2495

MODEL 2, ACH = CAT + CB R2 = .8019

DIFFERENCE = .0128 P = .0704

MODEL 3, ACH = CAT R2 = .7908

BETA FOR CB IN MODEL 2 = -.1093

HI CB = 3.2877 LO CB = 1.7578

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8788
LO CAT, HI CB = -.9456
HI CAT, LO CB = 1.1131
HI CAT, HI CB = .7129

ABILITY TO ORGANIZE THE CLASSROOM

CB VARIABLE 41 ID = 86041

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7996

DIFFERENCE = .0009 P = .6283

MODEL 2, ACH = CAT + CB R2 = .7987

DIFFERENCE = .0067 P = .1250

MODEL 3, ACH = CAT R2 = .7908

BETA FOR CB IN MODEL 2 = -.0939

HI CB = 3.6493 LO CB = 1.7390

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7644
LO CAT, HI CB = -1.0808
HI CAT, LO CB = .9326
HI CAT, HI CB = .8198

ABILITY TO INVOLVE STUDENTS IN DISTRESSING ASPECTS OF SUBJECTS

CB VARIABLE 42 ID = B6042
NUMBER OF VALID SCORES = 56

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7998

DIFFERENCE = .0025 P = .4294

MODEL 2, ACH = CAT + CB R2 = .7973

DIFFERENCE = .0068 P = .2152

MODEL 3, ACH = CAT R2 = .7913

BETA FOR CB IN MODEL 2 = -.0772

HI CB = 1.8698 LO CB = -.8833

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8926
LO CAT, HI CB = -.9399
HI CAT, LO CB = 1.8498
HI CAT, HI CB = .7803

ABILITY TO PROVIDE MATERIALS TO EVERY STUDENT

CB VARIABLE 43 ID = B6043
NUMBER OF VALID SCORES = 56

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7967

DIFFERENCE = .0004 P = .7456

MODEL 2, ACH = CAT + CB R2 = .7962

DIFFERENCE = .0062 P = .2888

MODEL 3, ACH = CAT R2 = .7901

BETA FOR CB IN MODEL 2 = -.0795

HI CB = 2.1339 LO CB = -.1339

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8141
LO CAT, HI CB = -.9434
HI CAT, LO CB = .9879
HI CAT, HI CB = .7524

ABILITY TO GAIN STUDENTS UNDIVIDED ATTENTION

CB VARIABLE 44 ID = B6044

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7964

DIFFERENCE = .0001 P = .8922

MODEL 2, ACH = CAT + CB R2 = .7964

DIFFERENCE = .0066 P = .1838

MODEL 3, ACH = CAT R2 = .7908

BETA FOR CB IN MODEL 2 = -.0951

HI CB = 3.6833 LO CB = 1.2243

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7369
LO CAT, HI CB = -.9434
HI CAT, LO CB = .9348
HI CAT, HI CB = .7648

ABILITY TO ENCOURAGE STUDENTS TO ATTEMPT HARD PROBLEMS

CB VARIABLE 45 ID = B6045
NUMBER OF VALID SCORES = 56

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7891

DIFFERENCE = .0000 P = .9698

MODEL 2, ACH = CAT + CB R2 = .7891

DIFFERENCE = .0017 P = .5227

MODEL 3, ACH = CAT R2 = .7874

BETA FOR CB IN MODEL 2 = -.0421

HI CB = 3.0958 LO CB = 1.1899

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8513
LO CAT, HI CB = -.9384
HI CAT, LO CB = .9325
HI CAT, HI CB = .8553

ABILITY TO MAKE STUDENTS AWARE THAT THEY ARE IN SCHOOL TO LEARN

CB VARIABLE 46 ID = 06046

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .7913

DIFFERENCE = .0003 P = .7749

MODEL 2. ACH = CAT + CB R2 = .7909

DIFFERENCE = .0018 P = .6177

MODEL 3. ACH = CAT R2 = .7908

BETA FOR CB IN MODEL 2 = -.0316

HI CB = 3.4107 LO CB = 1.8997

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.8457
LO CAT, HI CB = -.9398
HI CAT, LO CB = .9008
HI CAT, HI CB = .8985

ABILITY TO ENGAGE STUDENTS IN PEER TUTORING

CB VARIABLE 47 ID = 06047

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .8338

DIFFERENCE = .0030 P = .3279

MODEL 2. ACH = CAT + CB R2 = .8308

DIFFERENCE = .0400 P = .0010

MODEL 3. ACH = CAT R2 = .7908

BETA FOR CB IN MODEL 2 = -.2881

HI CB = 3.5825 LO CB = 1.6589

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.6587
LO CAT, HI CB = -1.1885
HI CAT, LO CB = 1.0126
HI CAT, HI CB = .8169

ABILITY TO FORM WARM PERSONAL RELATIONSHIPS WITH STUDENTS

CB VARIABLE 48 ID = 06048

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .8034

DIFFERENCE = .0127 P = .0644

MODEL 2. ACH = CAT + CB R2 = .7907

DIFFERENCE = .0007 P = .6635

MODEL 3. ACH = CAT R2 = .7908

BETA FOR CB IN MODEL 2 = -.0274

HI CB = 3.9623 LO CB = 2.1866

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.7510
LO CAT, HI CB = -1.0834
HI CAT, LO CB = .7588
HI CAT, HI CB = 1.0249

HAVING A GOOD SENSE OF HUMOR

CB VARIABLE 49 ID = 06049

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .7948

DIFFERENCE = .0036 P = .3396

MODEL 2. ACH = CAT + CB R2 = .7913

DIFFERENCE = .0013 P = .5641

MODEL 3. ACH = CAT R2 = .7908

BETA FOR CB IN MODEL 2 = .0364

HI CB = 3.9655 LO CB = 2.5862

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -1.0254
LO CAT, HI CB = -.7889
HI CAT, LO CB = .9332
HI CAT, HI CB = .8948

ABILITY TO CONTROL CLASSROOM

CB VARIABLE 50 ID = 06050

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7951

DIFFERENCE = .0035 P = .3453

MODEL 2, ACH = CAT + CB R2 = .7917

DIFFERENCE = .0017 P = .5183

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0415

HI CB = 4.1711 LO CB = 3.2772

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7571
LO CAT, HI CB = -.9835
HI CAT, LO CB = .8351
HI CAT, HI CB = .9812

ABILITY TO GIVE CLEAR INSTRUCTIONS

CB VARIABLE 51 ID = 06051

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7911

DIFFERENCE = .0039 P = .6385

MODEL 2, ACH = CAT + CB R2 = .7901

DIFFERENCE = .0002 P = .8288

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0131

HI CB = 4.0473 LO CB = 2.9183

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8511
LO CAT, HI CB = -.9376
HI CAT, LO CB = .8742
HI CAT, HI CB = .9358

ABILITY TO DO REMEDIAL WORK WITH SLOW LEARNERS

CB VARIABLE 52 ID = 06052

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7960

DIFFERENCE = .0004 P = .7587

MODEL 2, ACH = CAT + CB R2 = .7956

DIFFERENCE = .0057 P = .2196

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0754

HI CB = 3.9455 LO CB = 2.5862

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7857
LO CAT, HI CB = -.9983
HI CAT, LO CB = .9357
HI CAT, HI CB = .8459

ABILITY TO MOTIVATE STUDENTS TO ENJOY SCHOOLWORK

CB VARIABLE 53 ID = 06053

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8023

DIFFERENCE = .0112 P = .0028

MODEL 2, ACH = CAT + CB R2 = .7911

DIFFERENCE = .0011 P = .5926

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0338

HI CB = 3.8160 LO CB = 2.5978

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8621
LO CAT, HI CB = -.9944
HI CAT, LO CB = .7675
HI CAT, HI CB = 1.1099

HAVING ENTHUSIASM

CR VARIABLE 54 ID = 86054

MODEL 1, ACH = CAT + CR + CAT*CR R2 = .7954

DIFFERENCE = .0046 P = .2754

MODEL 2, ACH = CAT + CR R2 = .7908

DIFFERENCE = .0000 P = .6487

MODEL 3, ACH = CAT R2 = .7908

BETA FOR CR IN MODEL 2 = -.0297

HI CR = 4.0698 LO CR = 2.8276

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8858
LO CAT, HI CR = -.9617
HI CAT, LO CR = .7793
HI CAT, HI CR = .9133

BEING WARM TOWARD OTHERS

CR VARIABLE 55 ID = 86055

MODEL 1, ACH = CAT + CR + CAT*CR R2 = .7918

DIFFERENCE = .0000 P = .9682

MODEL 2, ACH = CAT + CR R2 = .7918

DIFFERENCE = .0010 P = .6984

MODEL 3, ACH = CAT R2 = .7908

BETA FOR CR IN MODEL 2 = -.0334

HI CR = 3.9136 LO CR = 2.6382

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8665
LO CAT, HI CR = -.9292
HI CAT, LO CR = .9358
HI CAT, HI CR = .8625

PRAISING FREQUENTLY

CR VARIABLE 56 ID = 86056

MODEL 1, ACH = CAT + CR + CAT*CR R2 = .7924

DIFFERENCE = .0015 P = .5418

MODEL 2, ACH = CAT + CR R2 = .7909

DIFFERENCE = .0009 P = .6388

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0384

HI CR = 4.0442 LO CR = 2.7434

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8438
LO CAT, HI CR = -.8961
HI CAT, LO CR = .7956
HI CAT, HI CR = .9384

ABILITY TO GET STUDENT RESPECT

CR VARIABLE 57 ID = 86057

MODEL 1, ACH = CAT + CR + CAT*CR R2 = .7910

DIFFERENCE = .0001 P = .8629

MODEL 2, ACH = CAT + CR R2 = .7909

DIFFERENCE = .0010 P = .6239

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0310

HI CR = 4.0103 LO CR = 2.6184

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9242
LO CAT, HI CR = -.8446
HI CAT, LO CR = .8689
HI CAT, HI CR = .9025

ABILITY TO EQUIP STUDENTS TO DO WELL ON STANDARDIZED TESTS

CB VARIABLE 58 ID = 86058

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8814

DIFFERENCE = .0025 P = .4147

MODEL 2, ACH = CAT + CB R2 = .7988

DIFFERENCE = .0889 P = .1214

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0965

HI CB = 1.9469 LO CB = .0531

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7546
LO CAT, HI CB = -.9944
HI CAT, LO CB = .9148
HI CAT, HI CB = .8888

KNOWING AND USING BEHAVIOR MODIFICATION TECHNIQUES

CB VARIABLE 59 ID = 86059

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8898

DIFFERENCE = .0019 P = .4763

MODEL 2, ACH = CAT + CB R2 = .8872

DIFFERENCE = .0172 P = .0291

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.1312

HI CB = 3.1918 LO CB = 1.1538

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8212
LO CAT, HI CB = -.9812
HI CAT, LO CB = 1.0829
HI CAT, HI CB = .7124

Teachers report using the following motivational techniques

PRAISE

CB VARIABLE 60 ID = 86060
NUMBER OF VALID SCORES = 54

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7924

DIFFERENCE = .0031 P = .3954

MODEL 2, ACH = CAT + CB R2 = .7893

DIFFERENCE = .0017 P = .5287

MODEL 3, ACH = CAT R2 = .7876

BETA FOR CB IN MODEL 2 = .0415

HI CB = 3.8528 LO CB = 2.4435

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8711
LO CAT, HI CB = -.9233
HI CAT, LO CB = .7987
HI CAT, HI CB = 1.0959

PUBLIC RECOGNITION (ANNOUNCEMENT OF ACHIEVEMENTS)

CB VARIABLE 61 ID = 86061

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8029

DIFFERENCE = .0129 P = .0623

MODEL 2, ACH = CAT + CB R2 = .7900

DIFFERENCE = .0000 P = .9260

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0856

HI CB = 3.3788 LO CB = 1.5875

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7298
LO CAT, HI CB = -.9675
HI CAT, LO CB = .6858
HI CAT, HI CB = .9799

EXEMPTION FROM TESTS

CB VARIABLE 62 ID = 06062
NUMBER OF VALID SCORES = 56

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7988

DIFFERENCE = .0027 P = .4149

MODEL 2, ACH = CAT + CB R2 = .7961

DIFFERENCE = .0068 P = .2143

MODEL 3, ACH = CAT R2 = .7981

BETA FOR CB IN MODEL 2 = .0777

HI CB = 1.6726 LO CB = -.2440

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9397
LO CAT, HI CB = -.0633
HI CAT, LO CB = .7618
HI CAT, HI CB = 1.0533

SPECIAL PRIVILEGES

CB VARIABLE 63 ID = 06063

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7935

DIFFERENCE = .0021 P = .4678

MODEL 2, ACH = CAT + CB R2 = .7914

DIFFERENCE = .0014 P = .5464

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0394

HI CB = .2.9983 LO CB = .0028

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8261
LO CAT, HI CB = -.9783
HI CAT, LO CB = .9897
HI CAT, HI CB = .9298

CONTESTS AND COMPETITIVE GAMES

CB VARIABLE 64 ID = 06064

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7905

DIFFERENCE = .0004 P = .7576

MODEL 2, ACH = CAT + CB R2 = .7902

DIFFERENCE = .0002 P = .8868

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0153

HI CB = 3.0505 LO CB = .9495

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8842
LO CAT, HI CB = -.8843
HI CAT, LO CB = .8239
HI CAT, HI CB = .9112

NOTES TO PARENTS

CB VARIABLE 65 ID = 06065

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7959

DIFFERENCE = .0010 P = .6473

MODEL 2, ACH = CAT + CB R2 = .7948

DIFFERENCE = .0049 P = .2564

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0699

HI CB = 1.6535 LO CB = 1.5189

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7764
LO CAT, HI CB = -.9851
HI CAT, LO CB = .9047
HI CAT, HI CB = .8572

WRITTEN COMMENTS ON PAPERS

CB VARIABLE 66 ID = R6866

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8134

DIFFERENCE = .0286 P = .0171

MODEL 2, ACH = CAT + CB R2 = .7928

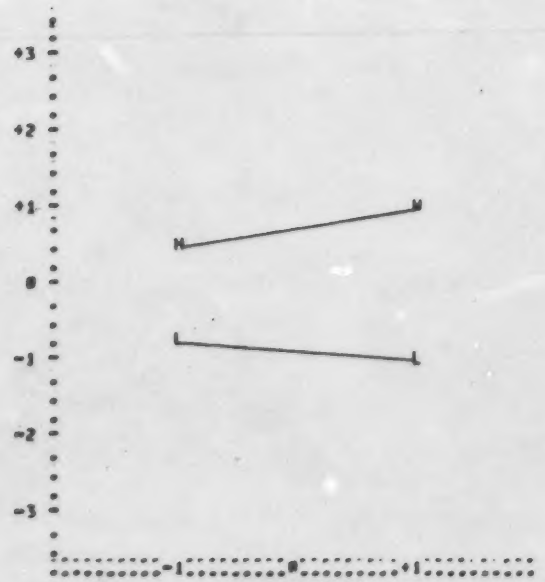
DIFFERENCE = .0029 P = .3899

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0538

HI CB = 3.7993 LO CB = 2.8628

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7705
LO CAT, HI CB = -.9706
HI CAT, LO CB = .5613
HI CAT, HI CB = 1.1180



OTHER TECHNIQUES USED WHICH ARE NOT LISTED PREVIOUSLY

CB VARIABLE 67 ID = R6867
NUMBER OF VALID SCORES = 6

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .9871

DIFFERENCE = .0689 P = .0911

MODEL 2, ACH = CAT + CB R2 = .9261

DIFFERENCE = .0596 P = .2174

MODEL 3, ACH = CAT R2 = .8666

BETA FOR CB IN MODEL 2 = .3208

HI CB = 3.8165 LO CB = 2.1835

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -1.2577
LO CAT, HI CB = -.9763
HI CAT, LO CB = .7436
HI CAT, HI CB = 2.3584

Teacher agreement about the following methods and goals:

WORD GAMES OR STUDENT COMPETITION IN FRONT OF THE CLASS

CB VARIABLE 68 ID = R6868

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7943

DIFFERENCE = .0005 P = .7215

MODEL 2, ACH = CAT + CB R2 = .7938

DIFFERENCE = .0038 P = .3182

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0637

HI CB = 2.7039 LO CB = .2617

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7872
LO CAT, HI CB = -.9540
HI CAT, LO CB = .9148
HI CAT, HI CB = .8518

KNOWLEDGE OF FACTS SHOULD PRECEDE GENERALIZATIONS

CB VARIABLE 69 ID = B6869

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7951

DIFFERENCE = .0041 P = .3859

MODEL 2, ACH = CAT + CB R2 = .7910

DIFFERENCE = .0010 P = .6877

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0342

HI CB = 3.5804 LO CB = 2.3506

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -1.0240
LO CAT, HI CB = -.0283
HI CAT, LO CB = .9143
HI CAT, HI CB = .8557

TEACHERS SHOULD BE FREE TO ADMIT IGNORANCE OPENLY

CB VARIABLE 70 ID = B6870
NUMBER OF VALID SCORES = 56

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8182

DIFFERENCE = .0081 P = .8689

MODEL 2, ACH = CAT + CB R2 = .8101

DIFFERENCE = .0120 P = .8637

MODEL 3, ACH = CAT R2 = .8061

BETA FOR CB IN MODEL 2 = -.1125

HI CB = 3.8923 LO CB = 1.7586

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8829
LO CAT, HI CB = -1.0411
HI CAT, LO CB = 1.0198
HI CAT, HI CB = .8163

TEACHERS SHOULD TEACH SUBJECTS INSTEAD OF ATTITUDES

CB VARIABLE 71 ID = B6871

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8169

DIFFERENCE = .0237 P = .0104

MODEL 2, ACH = CAT + CB R2 = .7932

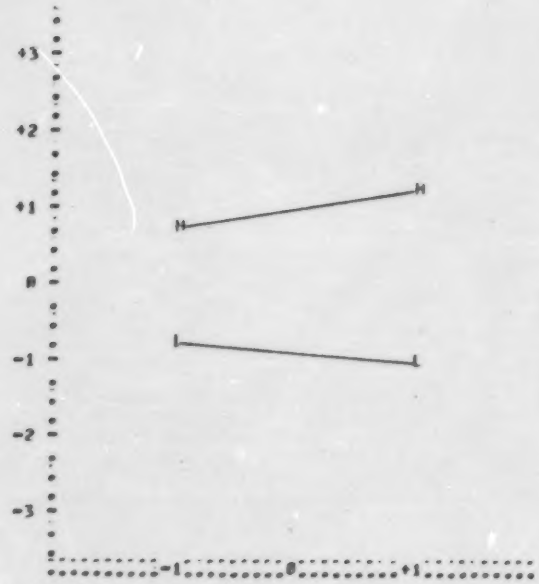
DIFFERENCE = .0032 P = .3682

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0573

HI CB = 2.7103 LO CB = .6691

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8052
LO CAT, HI CB = -1.0224
HI CAT, LO CB = .6927
HI CAT, HI CB = 1.2189



STUDENTS CAN LEARN MATHEMATICS AS WELL AS ANY OTHER SUBJECT

CB VARIABLE 72 ID = B6072

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7973

DIFFERENCE = .0028 P = .3949

MODEL 2, ACH = CAT + CB R2 = .7945

DIFFERENCE = .0845 P = .2752

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0682

HI CB = 3.9677 LO CB = 1.7565

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8946
LO CAT, HI CB = -.8821
HI CAT, LO CB = .7781
HI CAT, HI CB = 1.0378

SCHOOLING SHOULD PRIMARILY TRAIN STUDENTS TO HANDLE SOCIAL ADJUSTMENT

CB VARIABLE 73 ID = B6073

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8111

DIFFERENCE = .0210 P = .0167

MODEL 2, ACH = CAT + CB R2 = .7901

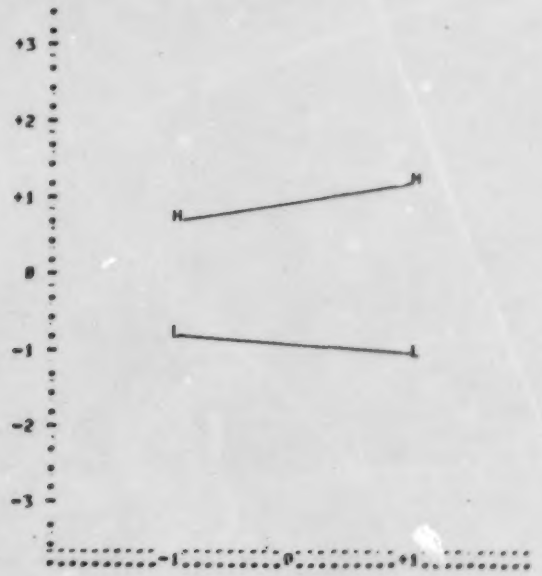
DIFFERENCE = .0001 P = .8471

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0118

HI CB = 3.0505 LO CB = .9895

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8857
LO CAT, HI CB = -1.1166
HI CAT, LO CB = .8162
HI CAT, HI CB = 1.2877



TEACHING SHOULD BE ORIENTED TOWARD HELPING STUDENTS DO WELL ON NORMED TEST

CB VARIABLE 74 ID = 06074

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7998

DIFFERENCE = .0004 P = .1129

MODEL 2, ACH = CAT + CB R2 = .7988

DIFFERENCE = .0000 P = .9918

MODEL 3, ACH = CAT R2 = .7988

BETA FOR CB IN MODEL 2 = -.0003

HI CB = 1.0559 LO CB = -.0628

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -1.0262
LO CAT, HI CB = -.7976
HI CAT, LO CB = 1.0595
HI CAT, HI CB = .6831

WORTHWHILE LEARNING IS TIRING AND DIFFICULT

CB VARIABLE 75 ID = 06075

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7982

DIFFERENCE = .0003 P = .7841

MODEL 2, ACH = CAT + CB R2 = .7988

DIFFERENCE = .0000 P = .9908

MODEL 3, ACH = CAT R2 = .7988

BETA FOR CB IN MODEL 2 = -.0004

HI CB = 2.5946 LO CB = .1641

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8729
LO CAT, HI CB = -.9892
HI CAT, LO CB = .8708
HI CAT, HI CB = .9899

WITHOUT PROPER TRAINING STUDENTS MENTAL ABILITIES REMAIN UNDEVELOPED

CB VARIABLE 76 ID = 06076

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8015

DIFFERENCE = .0113 P = .0017

MODEL 2, ACH = CAT + CB R2 = .7902

DIFFERENCE = .0003 P = .7886

MODEL 3, ACH = CAT R2 = .7908

BETA FOR CB IN MODEL 2 = -.0167

HI CB = 3.3763 LO CB = 1.3823

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7583
LO CAT, HI CB = -1.0829
HI CAT, LO CB = .6883
HI CAT, HI CB = .9731

SOME STUDENTS ASK TOO MANY QUESTIONS

CB VARIABLE 77 ID = 06077

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7923

DIFFERENCE = .0008 P = .6479

MODEL 2, ACH = CAT + CB R2 = .7914

DIFFERENCE = .0015 P = .5413

MODEL 3, ACH = CAT R2 = .7908

BETA FOR CB IN MODEL 2 = -.0392

HI CB = 3.2414 LO CB = .8966

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8665
LO CAT, HI CB = -.9883
HI CAT, LO CB = .9385
HI CAT, HI CB = .7932

T. SHOULD HAVE DISC. GROUPS SINCE STUDENTS LEARN FROM PEER INTERACTION

CB VARIABLE 78 ID = 06078

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .8003

DIFFERENCE = .0025 P = .4149

MODEL 2. ACH = CAT + CB R2 = .7979

DIFFERENCE = .0388 P = .1422

MODEL 3. ACH = CAT R2 = .7908

BETA FOR CB IN MODEL 2 = -.8984

HI CB = 3.6928 LO CB = 1.8244

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.7358
LO CAT, HI CB = -1.0675
HI CAT, LO CB = .8919
HI CAT, HI CB = .8658

TEACHERS SHOULD TALK TO STUDENTS AS THEY WOULD TO ADULTS

CB VARIABLE 88 ID = 06088

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .7966

DIFFERENCE = .0012 P = .5884

MODEL 2. ACH = CAT + CB R2 = .7955

DIFFERENCE = .0055 P = .2262

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .8743

HI CB = 2.4157 LO CB = .5498

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.9794
LO CAT, HI CB = -.7475
HI CAT, LO CB = .8662
HI CAT, HI CB = .8634

IT IS NATURAL FOR STUDENTS TO RESIST TEACHERS

CB VARIABLE 79 ID = 06079
NUMBER OF VALID SCORES = 56

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .7958

DIFFERENCE = .0024 P = .4417

MODEL 2. ACH = CAT + CB R2 = .7934

DIFFERENCE = .0006 P = .6915

MODEL 3. ACH = CAT R2 = .7927

BETA FOR CB IN MODEL 2 = -.8252

HI CB = 2.8576 LO CB = .2281

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.9848
LO CAT, HI CB = -.8388
HI CAT, LO CB = .9977
HI CAT, HI CB = .7585

STUDENTS SHOULD EXPECT SCHOOLING TO BE INTERESTING

CB VARIABLE 81 ID = 06081

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .7976

DIFFERENCE = .0058 P = .2162

MODEL 2. ACH = CAT + CB R2 = .7918

DIFFERENCE = .0019 P = .4908

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .8435

HI CB = 3.3386 LO CB = 1.6269

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.8482
LO CAT, HI CB = -.9934
HI CAT, LO CB = .7664
HI CAT, HI CB = 1.0993

UNLESS EXPLANATIONS ARE SHORT, STUDENTS LOSE INTEREST

CB VARIABLE A2 ID = 06002

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7960

DIFFERENCE = .0037 P = .3252

MODEL 2, ACH = CAT + CB R2 = .7923

DIFFERENCE = .0023 P = .6448

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0584

HI CB = 3.7384 LO CB = 2.2887

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8226
LO CAT, HI CB = -1.0815
HI CAT, LO CB = .9433
HI CAT, HI CB = .9330

STUDENTS SHOULD HAVE A GREAT DEAL OF PRACTICE AT THE BLACKBOARD IN MATH

CB VARIABLE A4 ID = 06004

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7923

DIFFERENCE = .0000 P = .9524

MODEL 2, ACH = CAT + CB R2 = .7922

DIFFERENCE = .0023 P = .4455

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0505

HI CB = 2.8754 LO LB = .9867

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9244
LO CAT, HI CB = -.8149
HI CAT, LO CB = .8239
HI CAT, HI CB = .9197

LETTING FASTER STUDENTS HELP SLOWER ONES IS A GOOD STRATEGY

CB VARIABLE A3 ID = 06003

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8153

DIFFERENCE = .0073 P = .1455

MODEL 2, ACH = CAT + CB R2 = .8080

DIFFERENCE = .0181 P = .0253

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.1372

HI CB = 3.7712 LO CB = 1.6771

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7818
LO CAT, HI CB = -1.1163
HI CAT, LO CB = .9874
HI CAT, HI CB = .8949

THEY NEED NOT SPEND TIME WITH BRIGHT STUDENTS SINCE THEY CAN LEARN ALONE

CB VARIABLE A5 ID = 06005

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7995

DIFFERENCE = .0070 P = .1720

MODEL 2, ACH = CAT + CB R2 = .7925

DIFFERENCE = .0025 P = .4224

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0521

HI CB = 2.5439 LO LB = .2837

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -1.0856
LO CAT, HI CB = -.7311
HI CAT, LO CB = .8686
HI CAT, HI CB = .7675

THE MORE DIFFICULT THE TASK THE BETTER FOR THE STUDENT

CB VARIABLE 86 ID = 86086

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7989

DIFFERENCE = .0003 P = .7849

MODEL 2, ACH = CAT + CB R2 = .7986

DIFFERENCE = .0006 P = .6918

MODEL 3, ACH = CAT R2 = .7980

BETA FOR CB IN MODEL 2 = -.0249

HI CB = 2.3058 LO CB = .5226

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8754
LO CAT, HI CB = -.8923
HI CAT, LO CB = .9393
HI CAT, HI CB = .8218

TEACHERS SHOULD DISCOURAGE STUDENTS FROM MOVING AROUND THE ROOM FREELY

CB VARIABLE 88 ID = 86088

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7955

DIFFERENCE = .0006 P = .6926

MODEL 2, ACH = CAT + CB R2 = .7949

DIFFERENCE = .0049 P = .2535

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0706

HI CB = 3.3712 LO CB = 1.3184

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8522
LO CAT, HI CB = -.9311
HI CAT, LO CB = .9850
HI CAT, HI CB = .7877

HAVING A WIDE VARIETY OF WORK FOR DIFFERING ABILITY LEVELS IS NOT WORKABLE

CB VARIABLE 87 ID = 86087

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7935

DIFFERENCE = .0003 P = .7862

MODEL 2, ACH = CAT + CB R2 = .7933

DIFFERENCE = .0033 P = .3544

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0583

HI CB = 2.2467 LO CB = .2368

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9432
LO CAT, HI CB = -.8539
HI CAT, LO CB = .8199
HI CAT, HI CB = .9983

ONE SHOULD EXPECT STUDENTS TO FORGET MUCH THAT IS TOLD THEM

CB VARIABLE 89 ID = 86089

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8080

DIFFERENCE = .0154 P = .0394

MODEL 2, ACH = CAT + CB R2 = .7926

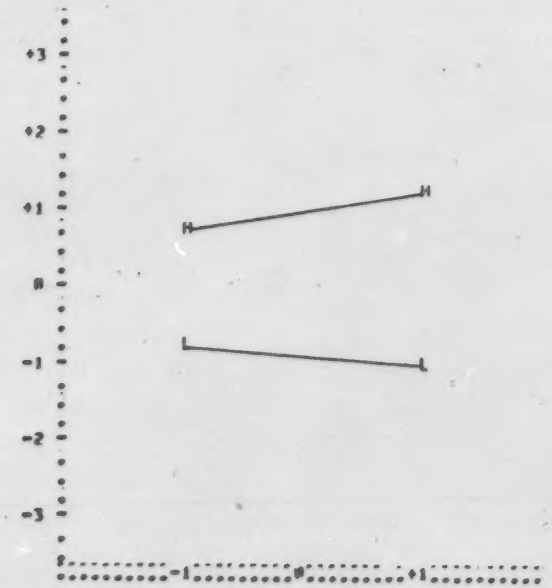
DIFFERENCE = .0026 P = .4110

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0526

HI CB = 2.7977 LO CB = .7196

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7205
LO CAT, HI CB = -1.0481
HI CAT, LO CB = .8156
HI CAT, HI CB = 1.1264



PRACTICE MAKES PERFECT SUMS UP LEARNING

CB VARIABLE 90 ID = 86090

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7947

DIFFERENCE = .0000 P = .9673

MODEL 2, ACH = CAT + CB R2 = .7947

DIFFERENCE = .0047 P = .2445

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0711

HI CB = 2.7980 LO CB = .9253

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7973
LO CAT, HI CB = -.9437
HI CAT, LO CB = .9482
HI CAT, HI CB = .8031

TOO MUCH RELIANCE ON THE TEXT MAKES EFFECTIVE TEACHING HARDER

CB VARIABLE 91 ID = 86091

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8058

DIFFERENCE = .0024 P = .4210

MODEL 2, ACH = CAT + CB R2 = .8034

DIFFERENCE = .0135 P = .0544

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.1210

HI CB = 2.7980 LO CB = .9253

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8517
LO CAT, HI CB = -1.0027
HI CAT, LO CB = 1.1288
HI CAT, HI CB = .7815

TEACHERS MAKE IT A POINT TO BE WRONG OCCASIONALLY, THEN ACKNOWLEDGE IT

CB VARIABLE 92 ID = 86092

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8309

DIFFERENCE = .0005 P = .7875

MODEL 2, ACH = CAT + CB R2 = .8304

DIFFERENCE = .0485 P = .0009

MODEL 3, ACH = CAT R2 = .7988

BETA FOR CB IN MODEL 2 = -.2814

HI CB = 2.8879 LO CB = .6983

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.6699
LO CAT, HI CB = -1.1056
HI CAT, LO CB = 1.0611
HI CAT, HI CB = .7189

A GOOD TEACHER SHOULD BE DETERMINED

CB VARIABLE 94 ID = 86094

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8011

DIFFERENCE = .0074 P = .1598

MODEL 2, ACH = CAT + CB R2 = .7938

DIFFERENCE = .0038 P = .3198

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0618

HI CB = 3.9481 LO CB = 2.2568

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7381
LO CAT, HI CB = -1.0362
HI CAT, LO CB = .7299
HI CAT, HI CB = 1.0018

TEACHNG SHOULD BE EVALUATED IN ITS OWN RIGHT REGARDLESS OF WHAT IS LEARNED

CB VARIABLE 93 ID = 86093

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7926

DIFFERENCE = .0000 P = .9128

MODEL 2, ACH = CAT + CB R2 = .7926

DIFFERENCE = .0026 P = .4186

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0528

HI CB = 2.8238 LO CB = .7632

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8357
LO CAT, HI CB = -.9249
HI CAT, LO CB = .9393
HI CAT, HI CB = .8166

TEACHER IMPACT IS MORE IMPORTANT THAN ANY OTHER PHASE OF SCH. ENVIRONMENT

CB VARIABLE 95 ID = 86095

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7998

DIFFERENCE = .0001 P = .8887

MODEL 2, ACH = CAT + CB R2 = .7997

DIFFERENCE = .0009 P = .1031

MODEL 3, ACH = CAT R2 = .7988

BETA FOR CB IN MODEL 2 = .0993

HI CB = 3.6505 LO CB = 1.3648

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -1.0853
LO CAT, HI CB = -.7881
HI CAT, LO CB = .8064
HI CAT, HI CB = .9834

TEACHER PERSONALITY IS THE MOST IMPORTANT QUALIFICATION

CB VARIABLE 96 ID = 06096

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7928

DIFFERENCE = .0015 P = .5415

MODEL 2, ACH = CAT + CB R2 = .7905

DIFFERENCE = .0005 P = .7986

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0234

HI CB = 3.3946 LO CB = 1.4548

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9474
LO CAT, HI CB = -.8412
HI CAT, LO CB = .9362
HI CAT, HI CB = .8658

TEACHERS SHOULD USE SOME OF THE STUDENTS SLANG

CB VARIABLE 97 ID = 06097

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7988

DIFFERENCE = .0020 P = .4745

MODEL 2, ACH = CAT + CB R2 = .7968

DIFFERENCE = .0060 P = .2857

MODEL 3, ACH = CAT R2 = .7908

BETA FOR CB IN MODEL 2 = -.0777

HI CB = 2.9988 LO CB = 1.0792

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8648
LO CAT, HI CB = -.9382
HI CAT, LO CB = 1.0149
HI CAT, HI CB = .7695

TEACHERS SHOULD REWARD (AND PENALIZE LACK OF) EFFORT DESPITE ACHIEVEMENT

CB VARIABLE 98 ID = 06098
NUMBER OF VALID SCORES = 56

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7949

DIFFERENCE = .0031 P = .3866

MODEL 2, ACH = CAT + CB R2 = .7919

DIFFERENCE = .0006 P = .7184

MODEL 3, ACH = CAT R2 = .7913

BETA FOR CB IN MODEL 2 = -.0245

HI CB = 3.4828 LO CB = 1.5188

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8288
LO CAT, HI CB = -1.0186
HI CAT, LO CB = .9278
HI CAT, HI CB = .9838

KEEPING STANDARDS HIGH AND APPLYING PRESSURE IS BEST WAY FOR ST. TO LEARN

CB VARIABLE 99 ID = 06099

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7949

DIFFERENCE = .0002 P = .7962

MODEL 2, ACH = CAT + CB R2 = .7946

DIFFERENCE = .0047 P = .2682

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0718

HI CB = 2.8698 LO CB = .8588

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7821
LO CAT, HI CB = -.9549
HI CAT, LO CB = .9281
HI CAT, HI CB = .8332

DESPITE RISK OF BORING SOME, TEACHERS SHOULD EXPLAIN THOROUGHLY.

CB VARIABLE100 ID = 86100

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7919

DIFFERENCE = .0008 P = .6638

MODEL 2, ACH = CAT + CB R2 = .7911

DIFFERENCE = .0812 P = .5857

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .8345

HI CB = 3.6128 LO CB = 1.6983

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8864
LO CAT, HI CB = -.8863
HI CAT, LO CB = .8317
HI CAT, HI CB = .9528

LECTURE ON RATIONAL INSIGHT OF NUMBERS WILL NOT REDUCE NEEDED MATH DRILL

CB VARIABLE 1 ID = 86101

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7906

DIFFERENCE = .0006 P = .7857

MODEL 2, ACH = CAT + CB R2 = .7900

DIFFERENCE = .0001 P = .8857

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0885

HI CB = 3.3318 LO CB = 1.7027

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8346
LO CAT, HI CB = -.9233
HI CAT, LO CB = .8613
HI CAT, HI CB = .9815

CITING ACCOMPLISHMENTS OF OTHERS DOES NOT STIMULATE ACHIEVEMENT

CB VARIABLE 2 ID = 86102

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7909

DIFFERENCE = .0000 P = .9760

MODEL 2, ACH = CAT + CB R2 = .7909

DIFFERENCE = .0009 P = .6298

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0389

HI CB = 2.5503 LO CB = .8980

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8516
LO CAT, HI CB = -.9166
HI CAT, LO CB = .9135
HI CAT, HI CB = .8559

GIVING FAILING GRADES DOES LITTLE TO PROMOTE ACHIEVEMENT

CB VARIABLE 3 ID = 06103

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7929

DIFFERENCE = .0006 P = .6924

MODEL 2, ACH = CAT + CB R2 = .7923

DIFFERENCE = .0023 P = .4399

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0485

HI CB = 3.1675 LO CB = 1.2463

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9698
LO CAT, HI CB = -.8283
HI CAT, LO CB = .8869
HI CAT, HI CB = .9189

IT IS BETTER TO ERR BY UNDEREXPLAINING THAN BY OVEREXPLAINING

CB VARIABLE 4 ID = 06104

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8008

DIFFERENCE = .0018 P = .4918

MODEL 2, ACH = CAT + CB R2 = .7989

DIFFERENCE = .0098 P = .1187

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0948

HI CB = 2.1379 LO CB = .3448

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7387
LO CAT, HI CB = -1.0734
HI CAT, LO CB = .9252
HI CAT, HI CB = .8812

HIGH GRADES REINFORCE EFFORT, MAKING STUDENTS WORK HARDER

CB VARIABLE 5 ID = 06105

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7933

DIFFERENCE = .0021 P = .4677

MODEL 2, ACH = CAT + CB R2 = .7912

DIFFERENCE = .0012 P = .5834

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0348

HI CB = 3.2178 LO CB = 1.6788

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8521
LO CAT, HI CB = -.8853
HI CAT, LO CB = .7388
HI CAT, HI CB = .9714

STRICTER RULES WOULD HELP ELIMINATE DISCIPLINE PROBLEMS

CB VARIABLE 6 ID = 06106

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7925

DIFFERENCE = .0009 P = .6429

MODEL 2, ACH = CAT + CB R2 = .7917

DIFFERENCE = .0017 P = .5134

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0838

HI CB = 3.2887 LO CB = 1.8561

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8856
LO CAT, HI CB = -.9533
HI CAT, LO CB = .9083
HI CAT, HI CB = .8918

IQ TESTS MERELY LABEL STUDENTS AND SHOULD NOT BE USED

CB VARIABLE 7 ID = 06107

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8003

DIFFERENCE = .0000 P = .9512

MODEL 2, ACH = CAT + CB R2 = .8003

DIFFERENCE = .0184 P = .0928

MODEL 3, ACH = CAT R2 = .7988

BETA FOR CB IN MODEL 2 = -.1841

HI CB = 2.9583 LO CB = .8348

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7646
LO CAT, HI CB = -.9667
HI CAT, LO CB = .9737
HI CAT, HI CB = .7540

TEACHER LEVEL OF EDUCATION (POST GRADUATE WORK)

CB VARIABLE 8 ID = 06108
NUMBER OF VALID SCORES = 56

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8328

DIFFERENCE = .0037 P = .2986

MODEL 2, ACH = CAT + CB R2 = .8291

DIFFERENCE = .0245 P = .0079

MODEL 3, ACH = CAT R2 = .8046

BETA FOR CB IN MODEL 2 = -.1588

HI CB = 3.5299 LO CB = .8844

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8686
LO CAT, HI CB = -1.8393
HI CAT, LO CB = 1.1951
HI CAT, HI CB = .7481

GRADUATE DEGREE FROM MAJOR UNIVERSITY OR COLLEGE

CB VARIABLE 9 ID = 06109
NUMBER OF VALID SCORES = 14

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .9378

DIFFERENCE = .0039 P = .4504

MODEL 2, ACH = CAT + CB R2 = .9339

DIFFERENCE = .0158 P = .1388

MODEL 3, ACH = CAT R2 = .9182

BETA FOR CB IN MODEL 2 = .1512

HI CB = .7375 LO CB = -.1660

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -1.1284
LO CAT, HI CB = -.6748
HI CAT, LO CB = .9876
HI CAT, HI CB = 1.0623

TOTAL YEARS TEACHING EXPERIENCE

CB VARIABLE 10 ID = 06110

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7916

DIFFERENCE = .0000 P = .9464

MODEL 2, ACH = CAT + CB R2 = .7916

DIFFERENCE = .0016 P = .5259

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0481

HI CB = 2.7983 LO CB = -.1776

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8464
LO CAT, HI CB = -.9328
HI CAT, LO CB = .9256
HI CAT, HI CB = .8525

TOTAL YEARS TEACHING EXPERIENCE AT JUNIOR HIGH SCHOOL

CB VARIABLE 11 ID = 06111

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .8035

DIFFERENCE = .0000 P = .9759

MODEL 2. ACH = CAT + CB R2 = .8035

DIFFERENCE = .0135 P = .0541

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.1162

HI CB = 2.4360 LO CB = -.3671

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.7685
LO CAT, HI CB = -1.0031
HI CAT, LO CB = 1.0006
HI CAT, HI CB = .7711

TOTAL YEARS TEACHING PRESENT SUBJECT MATTER

CB VARIABLE 12 ID = 06112

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .7949

DIFFERENCE = .0005 P = .7154

MODEL 2. ACH = CAT + CB R2 = .7944

DIFFERENCE = .0044 P = .2809

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0668

HI CB = 1.9744 LO CB = -.3192

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.8685
LO CAT, HI CB = -.9564
HI CAT, LO CB = .9957
HI CAT, HI CB = .8272

MEMBERSHIP IN TEXAS STATE TEACHERS ASSOCIATION (TSTA)

CB VARIABLE 13 ID = 06113

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .8204

DIFFERENCE = .0178 P = .0232

MODEL 2. ACH = CAT + CB R2 = .8026

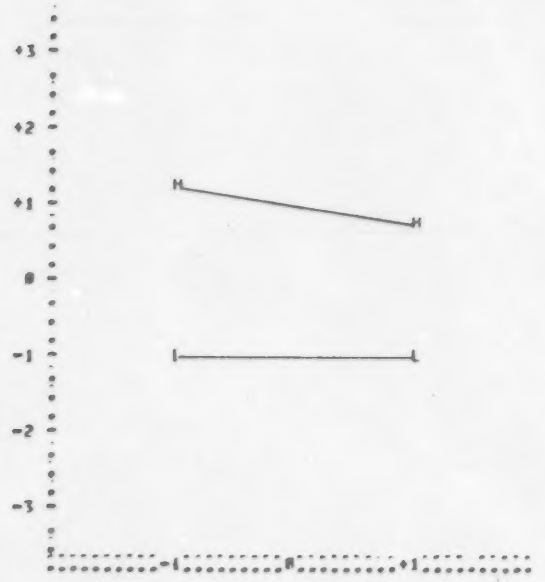
DIFFERENCE = .0126 P = .0628

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.1138

HI CB = 1.1865 LO CB = .3307

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -1.0068
LO CAT, HI CB = -.8963
HI CAT, LO CB = 1.3433
HI CAT, HI CB = .6458



MEMBERSHIP IN NEA

CB VARIABLE 14 ID = 06114

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8358

DIFFERENCE = .0201 P = .0125

MODEL 2, ACH = CAT + CB R2 = .8157

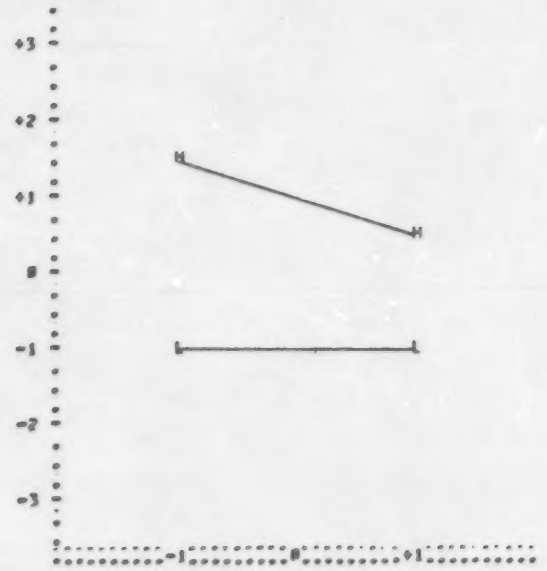
DIFFERENCE = .0258 P = .0075

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.1611

HI CB = 1.1711 LO CB = .2772

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -1.0837
LO CAT, HI CB = -.9433
HI CAT, LO CB = 1.4214
HI CAT, HI CB = .6046



MEMBERSHIP IN AMERICAN FEDERATION OF TEACHERS (AFT)

CB VARIABLE 15 ID = 06115

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7928

DIFFERENCE = .0009 P = .6388

MODEL 2, ACH = CAT + CB R2 = .7919

DIFFERENCE = .0020 P = .4815

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0444

HI CB = .4888 LO CB = -.2911

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.8973
LO CAT, HI CB = -.9836
HI CAT, LO CB = .8827
HI CAT, HI CB = .9228

MEMBERSHIP IN OTHER ORGANIZATIONS NOT LISTED

CB VARIABLE 16 ID = 06116

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7904

DIFFERENCE = .0004 P = .7623

MODEL 2, ACH = CAT + CB R2 = .7900

DIFFERENCE = .0001 P = .8763

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0096

HI CB = 1.0169 LO CB = .0175

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.9161
LO CAT, HI CB = -.6594
HI CAT, LO CB = .9138
HI CAT, HI CB = .8856

TABLE 2

PREDICTION OF STUDENT MATH ACHIEVEMENT

FROM TEACHER INTERVIEW AND CALIFORNIA ACHIEVEMENT TEST

USING MULTIPLE REGRESSION ANALYSES

SEVERAL ABILITY LEVELS IN ONE CLASSROOM PRESENTS A PROBLEM

```
CR VARIABLE  1      ID = 07001
NUMBER OF VALID SCORES =    52

MODEL 1: ACH = CAT + CR + CAT*CR    R2 =   .8060

   DIFFERENCE =   .0012   P =   .5910

MODEL 2: ACH = CAT + CR             R2 =   .8048

   DIFFERENCE =   .0049   P =   .2720

MODEL 3: ACH = CAT                  R2 =   .7999

BETA FOR CR IN MODEL 2 =   .0719

HI CR =    2.2818   LO CR =    1.8136

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CR =   -.9232
   LO CAT, HI CR =   -.8339
   HI CAT, LO CR =    .7228
   HI CAT, HI CR =    .9937
```

Cope with ability levels:

BY ABILITY GROUPING

```
CR VARIABLE  2      ID = 07002
NUMBER OF VALID SCORES =    54

MODEL 1: ACH = CAT + CR + CAT*CR    R2 =   .7843

   DIFFERENCE =   .0000   P =   .9486

MODEL 2: ACH = CAT + CR             R2 =   .7843

   DIFFERENCE =   .0040   P =   .3348

MODEL 3: ACH = CAT                  R2 =   .7802

BETA FOR CR IN MODEL 2 =  -.0657

HI CR =    2.0525   LO CR =    1.0587

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CR =   -.7972
   LO CAT, HI CR =   -.9362
   HI CAT, LO CR =    .9383
   HI CAT, HI CR =    .8071
```


BY INDIVIDUALIZED WORK, SELF-PACED;LEARNING CENTERS;ICF;CONTRACT WORK

```
CR VARIABLE  3      ID = 07003
NUMBER OF VALID SCORES =    54

MODEL 1: ACH = CAT + CR + CAT*CR    R2 =   .7908

   DIFFERENCE =   .0072   P =   .1926

MODEL 2: ACH = CAT + CR             R2 =   .7836

   DIFFERENCE =   .0034   P =   .3807

MODEL 3: ACH = CAT                  R2 =   .7802

BETA FOR CR IN MODEL 2 =  -.0583

HI CR =    1.8047   LO CR =    .8419

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CR =   -.9688
   LO CAT, HI CR =   -.9148
   HI CAT, LO CR =   1.1016
   HI CAT, HI CR =    .8139
```

BY VARYING MATERIALS, ASSIGNMENTS, AND SUPPLEMENTING

```
CR VARIABLE  4      ID = 07004
NUMBER OF VALID SCORES =    54

MODEL 1: ACH = CAT + CR + CAT*CR    R2 =   .7841

   DIFFERENCE =   .0038   P =   .3549

MODEL 2: ACH = CAT + CR             R2 =   .7802

   DIFFERENCE =   .0000   P =   .9806

MODEL 3: ACH = CAT                  R2 =   .7802

BETA FOR CR IN MODEL 2 =   .0014

HI CR =    1.9811   LO CR =    .9818

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CR =   -.8971
   LO CAT, HI CR =   -.9005
   HI CAT, LO CR =    .8988
   HI CAT, HI CR =    .9704
```

BY MORE SPECIAL ATTENTION; CONFERENCES; WORK AFTER SCHOOL

```
CR VARIABLE  5      ID = 07005
NUMBER OF VALID SCORES =    54

MODEL 1: ACH = CAT + CR + CAT*CR    R2 =   .7847

   DIFFERENCE =   .0010   P =   .6294

MODEL 2: ACH = CAT + CR             R2 =   .7837

   DIFFERENCE =   .0034   P =   .3750

MODEL 3: ACH = CAT                  R2 =   .7802

BETA FOR CR IN MODEL 2 =  -.0590

HI CR =    1.0254   LO CR =     .7968

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CR =    -.7795
   LO CAT, HI CR =   -1.0370
   HI CAT, LO CR =     .9173
   HI CAT, HI CR =     .8760
```

BY PEER TUTORING; ALLOW STUDENTS TO WORK TOGETHER

```
CR VARIABLE  6      ID = 07006
NUMBER OF VALID SCORES =    54

MODEL 1: ACH = CAT + CR + CAT*CB    R2 =   .8035

   DIFFERENCE =   .0197   P =   .0270

MODEL 2: ACH = CAT + CR             R2 =   .7838

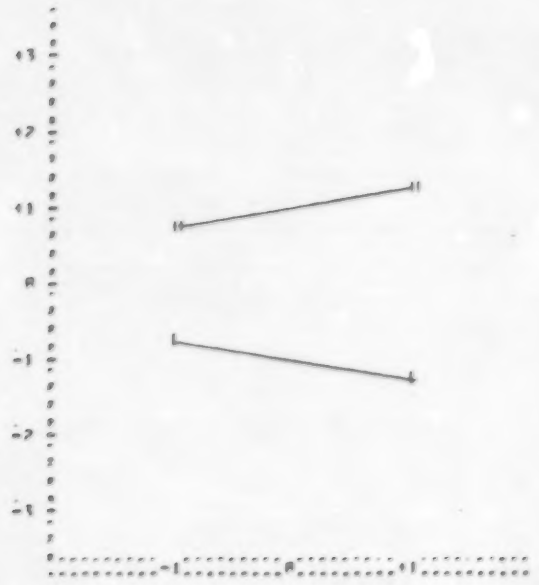
   DIFFERENCE =   .0035   P =   .3690

MODEL 3: ACH = CAT                  R2 =   .7802

BETA FOR CR IN MODEL 2 =  -.0594

HI CR =    1.0380   LO CR =     .0065

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CR =    -.6844
   LO CAT, HI CR =   -1.2167
   HI CAT, LO CR =     .7983
   HI CAT, HI CR =    1.1355
```



BY DIFFERENTIAL TESTING, GRADING; EXPECT LESS FROM SLOWS; EXTRA CREDIT WRK

```
CR VARIABLE  7       ID = 07007
NUMBER OF VALID SCORES =    54

MODEL 1, ACH = CAT + CR + CAT*CR    R2 =   .8053

   DIFFERENCE =   .0007   P =   .6670

MODEL 2, ACH = CAT + CR             R2 =   .8046

   DIFFERENCE =   .8243   P =   .0142

MODEL 3, ACH = CAT                  R2 =   .7802

BETA FOR CR IN MODEL 2 =   .1561

HI CR =    1.6308   LO LR =     .8865

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CR =   -1.0614
   LO CAT, HI CR =    -.4612
   HI CAT, LO CR =     .7468
   HI CAT, HI CR =     .9826
```

OTHERS: RESOURCE TEACHER, STUDENT TEACHER, TEACHER AIDE

```
CR VARIABLE  9       ID = 07009
NUMBER OF VALID SCORES =    54

MODEL 1, ACH = CAT + CR + CAT*CR    R2 =   .7839

   DIFFERENCE =   .0002   P =   .8448

MODEL 2, ACH = CAT + CR             R2 =   .7836

   DIFFERENCE =   .0035   P =   .3683

MODEL 3, ACH = CAT                  R2 =   .7802

BETA FOR CR IN MODEL 2 =   .0595

HI CR =    1.6975   LO LR =     .8210

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CR =    -.9551
   LO CAT, HI CR =    -.7959
   HI CAT, LO CR =     .8562
   HI CAT, HI CR =     .9139
```

BY WHOLE CLASS APPROACH; TEACH TO HIGH, MIDDLE; NEGLECT SOME; IGNORE PROB.

```
CR VARIABLE  8       ID = 07008
NUMBER OF VALID SCORES =    54

MODEL 1, ACH = CAT + CR + CAT*CR    R2 =   .7852

   DIFFERENCE =   .0049   P =   .2986

MODEL 2, ACH = CAT + CR             R2 =   .7803

   DIFFERENCE =   .0001   P =   .8749

MODEL 3, ACH = CAT                  R2 =   .7802

BETA FOR CR IN MODEL 2 =   .0185

HI CR =    1.5834   LO LR =     .7929

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CR =    -.9462
   LO CAT, HI CR =    -.8372
   HI CAT, LO CR =     .9759
   HI CAT, HI CR =     .7286
```

TEACHER COPES W/ABILITY LEVELS IN CLASS RATHER THAN AVOIDING PROB.

```
CR VARIABLE 10       ID = 07010
NUMBER OF VALID SCORES =    54

MODEL 1, ACH = CAT + CR + CAT*CR    R2 =   .7895

   DIFFERENCE =   .0094   P =   .2450

MODEL 2, ACH = CAT + CR             R2 =   .7892

   DIFFERENCE =   .0090   P =   .1429

MODEL 3, ACH = CAT                  R2 =   .7802

BETA FOR CR IN MODEL 2 =  -.0964

HI CR =    3.2353   LO LR =    2.1721

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CR =    -.7777
   LO CAT, HI CR =   -1.0164
   HI CAT, LO CR =     .9518
   HI CAT, HI CR =     .8225
```

BELIEVES METHODS FOR COPING WITH ABILITY LEVELS WERE SUCCESSFUL

```
CR VARIABLE 11      ID = #7011
NUMBER OF VALID SCORES =    58

MODEL 1: ACH = CAT + CR + CAT*CR    R2 =   .7863

   DIFFERENCE =   .0000   P =   .9893

MODEL 2: ACH = CAT + CR             R2 =   .7863

   DIFFERENCE =   .0001   P =   .8814

MODEL 3: ACH = CAT                  R2 =   .7862

BETA FOR CR IN MODEL 2 =   .0891

HI CR =    3.9960   LO CR =    2.3003

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CR =   -.8923
   LO CAT, HI CR =   -.8777
   HI CAT, LO CR =    .8736
   HI CAT, HI CR =    .8968
```

Student groups were determined by:

ABILITY, BASED ON DIAGNOSTIC TESTS, CAT

```
CR VARIABLE 12      ID = #7012
NUMBER OF VALID SCORES =    34

MODEL 1: ACH = CAT + CR + CAT*CR    R2 =   .7873

   DIFFERENCE =   .0259   P =   .0626

MODEL 2: ACH = CAT + CR             R2 =   .7615

   DIFFERENCE =   .0158   P =   .1580

MODEL 3: ACH = CAT                  R2 =   .7456

BETA FOR CR IN MODEL 2 =  -.1333

HI CR =    2.0285   LO CR =    1.0183

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CR =   -.9711
   LO CAT, HI CR =   -.8518
   HI CAT, LO CR =    1.0868
   HI CAT, HI CR =     .5007
```


ABILITY, BASED ON OBSERVATION, ASSESSMENT OF WORK; TALK WITH STUDENT

```
CR VARIABLE 13      ID = #7013
NUMBER OF VALID SCORES =    34

MODEL 1: ACH = CAT + CR + CAT*CR    R2 =   .7734

   DIFFERENCE =   .0258   P =   .0717

MODEL 2: ACH = CAT + CR             R2 =   .7476

   DIFFERENCE =   .0020   P =   .6384

MODEL 3: ACH = CAT                  R2 =   .7456

BETA FOR CR IN MODEL 2 =   .0453

HI CR =    1.9039   LO CR =     .9196

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CR =  -1.1051
   LO CAT, HI CR =   -.7886
   HI CAT, LO CR =    .9754
   HI CAT, HI CR =    .7235
```

ABILITY (NO OTHER RESPONSE GIVEN)

CR VARIABLE 14 ID = 07014
NUMBER OF VALID SCORES = 34

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7985

DIFFERENCE = .0389 P = .0212

MODEL 2: ACH = CAT + CR R2 = .7595

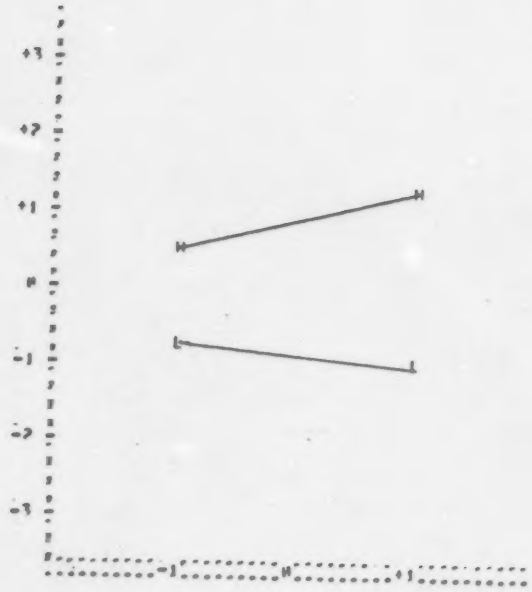
DIFFERENCE = .0139 P = .1474

MODEL 3: ACH = CAT R2 = .7456

BETA FOR CR IN MODEL 2 = .1199

HI CR = 1.0039 LO CR = .9196

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8247
LO CAT, HI CR = -1.1096
HI CAT, LO CR = .5616
HI CAT, HI CR = 1.2072



RANDOM OR OTHER ASSIGNMENT

CR VARIABLE 15 ID = 07015
NUMBER OF VALID SCORES = 34

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7456

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2: ACH = CAT + CR R2 = .7456

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3: ACH = CAT R2 = .7456

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 1.0000 LO CR = 1.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8635
LO CAT, HI CR = -.8635
HI CAT, LO CR = .8635
HI CAT, HI CR = .8635

TARGETS ATTENTION TO SPECIAL GRPS (RATHER THAN EQUALIZNG ATTENTION TO ALL)

CR VARIABLE 16 ID = 07016
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8017

DIFFERENCE = .0087 P = .1323

MODEL 2: ACH = CAT + CR R2 = .7929

DIFFERENCE = .0041 P = .3102

MODEL 3: ACH = CAT R2 = .7888

BETA FOR CR IN MODEL 2 = -.0656

HI CR = 2.1220 LO CR = 1.1637

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7303
LO CAT, HI CR = -1.0531
HI CAT, LO CR = .9479
HI CAT, HI CR = .9531

Teacher individualizes by:

MORE ATTENTION GIVEN TO HIGH ABILITY GROUPS, AS OPPOSED TO LOW

CR VARIABLE 17 ID = 07017
NUMBER OF VALID SCORES = 36

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8289

DIFFERENCE = .0071 P = .2558

MODEL 2: ACH = CAT + CR R2 = .8217

DIFFERENCE = .0422 P = .0084

MODEL 3: ACH = CAT R2 = .7795

BETA FOR CR IN MODEL 2 = .2882

HI CR = 2.7389 LO CR = .9358

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0845
LO CAT, HI CR = -.7759
HI CAT, LO CR = .5739
HI CAT, HI CR = 1.1495

SELF-PACED WORK, CONTRACTS, LEARNING STATIONS

CR VARIABLE 19 ID = 07019
NUMBER OF VALID SCORES = 38

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8572

DIFFERENCE = .0003 P = .7965

MODEL 2: ACH = CAT + CR R2 = .8570

DIFFERENCE = .0084 P = .1563

MODEL 3: ACH = CAT R2 = .8485

BETA FOR CR IN MODEL 2 = .0921

HI CR = 1.7806 LO CR = .8510

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0349
LO CAT, HI CR = -.8186
HI CAT, LO CR = .8507
HI CAT, HI CR = .9981

TEACHER INDIVIDUALIZES ON REGULAR BASIS

CR VARIABLE 18 ID = 07018

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8016

DIFFERENCE = .0008 P = .1429

MODEL 2: ACH = CAT + CR R2 = .7937

DIFFERENCE = .0037 P = .3244

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0613

HI CR = 3.0857 LO CR = 1.3391

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9866
LO CAT, HI CR = -.8895
HI CAT, LO CR = 1.0674
HI CAT, HI CR = .7695

DIFFERNG EXPECTANCIES, TESTS, GRADING;LESS WORK TO SLOWS;SPEC. ASSIGNMENTS

CR VARIABLE 20 ID = 07020
NUMBER OF VALID SCORES = 44

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8207

DIFFERENCE = .0032 P = .4061

MODEL 2: ACH = CAT + CR R2 = .8175

DIFFERENCE = .0026 P = .4544

MODEL 3: ACH = CAT R2 = .8148

BETA FOR CR IN MODEL 2 = .0527

HI CR = 1.9525 LO CR = .9566

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0049
LO CAT, HI CR = -.7878
HI CAT, LO CR = .9399
HI CAT, HI CR = .9171

ABILITY GROUPS GIVEN DIFFERENT ASSIGNMENTS

CR VARIABLE 21 ID = 07021
NUMBER OF VALID SCORES = 38

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8716

DIFFERENCE = .0021 P = .0724

MODEL 2: ACH = CAT + CR R2 = .8695

DIFFERENCE = .0218 P = .0219

MODEL 3: ACH = CAT R2 = .8485

BETA FOR CR IN MODEL 2 = -.1481

HI CR = 2.0727 LO CR = 1.0852

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7522
LO CAT, HI CR = -1.1508
HI CAT, LO CR = .9814
HI CAT, HI CR = .8388

OTHERS EXTRA HELP, CONFERENCES, USE RESOURCE TEACHER, AIDE

CR VARIABLE 22 ID = 07022
NUMBER OF VALID SCORES = 42

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8552

DIFFERENCE = .0126 P = .0740

MODEL 2: ACH = CAT + CR R2 = .8426

DIFFERENCE = .0032 P = .3844

MODEL 3: ACH = CAT R2 = .8394

BETA FOR CR IN MODEL 2 = .0576

HI CR = 1.5832 LO CR = .7978

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.1329
LO CAT, HI CR = -.8174
HI CAT, LO CR = 1.0376
HI CAT, HI CR = .9895

TEACHER USES GROUPS AND ALSO INDIVIDUALIZES

CR VARIABLE 23 ID = 07023

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7928

DIFFERENCE = .0017 P = .5142

MODEL 2: ACH = CAT + CR R2 = .7902

DIFFERENCE = .0003 P = .7888

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0171

HI CR = 1.9456 LO CR = .9510

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8737
LO CAT, HI CR = -.9258
HI CAT, LO CR = .8442
HI CAT, HI CR = .9739

TEACHER INDIVIDUALIZES ONLY (DOES NOT GROUP)

CR VARIABLE 24 ID = 07024

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7963

DIFFERENCE = .0011 P = .5938

MODEL 2: ACH = CAT + CR R2 = .7952

DIFFERENCE = .0052 P = .2487

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0725

HI CR = 1.6693 LO CR = .8135

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8693
LO CAT, HI CR = -.9557
HI CAT, LO CR = 1.0166
HI CAT, HI CR = .8175

TEACHER GROUPS ONLY (DOES NOT INDIVIDUALIZE)

CR VARIABLE 25 ID = 07025

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7960

DIFFERENCE = .0053 P = .2487

MODEL 2. ACH = CAT + CR R2 = .7907

DIFFERENCE = .0007 P = .6451

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0272

HI CR = 1.5502 LO CR = .7947

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.9319
LO CAT, HI CR = -.8142
HI CAT, LO CR = .9928
HI CAT, HI CR = .7419

TEACHER NEITHER GROUPS NOR INDIVIDUALIZES

CR VARIABLE 26 ID = 07026

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .8025

DIFFERENCE = .0036 P = .3275

MODEL 2. ACH = CAT + CR R2 = .7989

DIFFERENCE = .0089 P = .1191

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0958

HI CR = 1.4828 LO CR = .7931

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.9864
LO CAT, HI CR = -.8968
HI CAT, LO CR = .7383
HI CAT, HI CR = 1.0512

GIVES TESTS FREQUENTLY (EXCLUDING SPELLING TESTS)

CR VARIABLE 27 ID = 07027

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7924

DIFFERENCE = .0000 P = .9554

MODEL 2. ACH = CAT + CR R2 = .7924

DIFFERENCE = .0024 P = .4341

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0492

HI CR = 3.4682 LO CR = 1.7732

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.9333
LO CAT, HI CR = -.8081
HI CAT, LO CR = .8366
HI CAT, HI CR = .9469

USES BOTH TEACHER-MADE AND PREPARED TESTS, AS OPPOSED TO TEACHER-MADE ONLY

CR VARIABLE 28 ID = 07028

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7973

DIFFERENCE = .0070 P = .1745

MODEL 2. ACH = CAT + CR R2 = .7903

DIFFERENCE = .0004 P = .7565

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0191

HI CR = 1.6693 LO CR = .8135

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.8418
LO CAT, HI CR = -.9848
HI CAT, LO CR = .7898
HI CAT, HI CR = 1.1237

Advantages of self-made tests:

TESTS WHAT IS TAUGHT; KIDS FAMILIAR W/MATERIAL

CR VARIABLE 29 ID = 07029
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7972

DIFFERENCE = .0005 P = .7128

MODEL 2: ACH = CAT + CB R2 = .7967

DIFFERENCE = .0039 P = .2166

MODEL 3: ACH = CAT R2 = .7927

BETA FOR CB IN MODEL 2 = .0628

HI CB = 2.1861 LO LB = 1.6710

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7979
LO CAT, HI CB = -.9182
HI CAT, LO CB = .6831
HI CAT, HI CB = 1.0377

BETTER FORM, INSTRUCTIONS; USE TERMS KIDS KNOW; SIMILAR TO HOME-WORK

CR VARIABLE 31 ID = 07031
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7987

DIFFERENCE = .0058 P = .2233

MODEL 2: ACH = CAT + CB R2 = .7929

DIFFERENCE = .0002 P = .8344

MODEL 3: ACH = CAT R2 = .7927

BETA FOR CB IN MODEL 2 = .0121

HI CB = 1.6206 LO LB = .8848

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9928
LO CAT, HI CB = -.6597
HI CAT, LO CB = .9835
HI CAT, HI CB = .6276

CAN GIVE DIFFERENT TESTS TO ABILITY GROUPS; MORE INDIVIDUALIZATION

CR VARIABLE 30 ID = 07030
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .8024

DIFFERENCE = .0057 P = .2238

MODEL 2: ACH = CAT + CB R2 = .7967

DIFFERENCE = .0039 P = .3184

MODEL 3: ACH = CAT R2 = .7927

BETA FOR CB IN MODEL 2 = .0625

HI CB = 1.4928 LO LB = .7929

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8743
LO CAT, HI CB = -.9468
HI CAT, LO CB = .7455
HI CAT, HI CB = 1.0808

OTHER ADVANTAGES TO SELF-MADE TESTS (NOT LISTED PREVIOUSLY)

CR VARIABLE 32 ID = 07032
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7960

DIFFERENCE = .0002 P = .8246

MODEL 2: ACH = CAT + CB R2 = .7958

DIFFERENCE = .0031 P = .3798

MODEL 3: ACH = CAT R2 = .7927

BETA FOR CB IN MODEL 2 = -.0559

HI CB = 1.3298 LO LB = .8139

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8895
LO CAT, HI CB = -1.0072
HI CAT, LO CB = .9414
HI CAT, HI CB = .8595

Disadvantages of self-made tests:

VALIDITY, RELIABILITY, DO NOT COVER ALL SKILLS

```
CR VARIABLE 33      ID = #7033
NUMBER OF VALID SCORES =    48

MODEL 1. ACH = CAT + CR + CAT*CR   R2 =   .7757

   DIFFERENCE =   .0008   P =   .1933

MODEL 2. ACH = CAT + CR            R2 =   .7678

   DIFFERENCE =   .0528   P =   .0031

MODEL 3. ACH = CAT                 R2 =   .7149

BETA FOR CR IN MODEL 2 =  -.2285

HI CR =    2.0399   LO CR =    1.0434

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
   LO CAT, LO CR =    -.7249
   LO CAT, HI CR =    -.9959
   HI CAT, LO CR =    1.1962
   HI CAT, HI CR =     .5474
```

TAKES MUCH TIME, EFFORT, WORK TO MAKE A TEST

```
CR VARIABLE 38      ID = #7038
NUMBER OF VALID SCORES =    48

MODEL 1. ACH = CAT + CR + CAT*CR   R2 =   .7668

   DIFFERENCE =   .0147   P =   .0998

MODEL 2. ACH = CAT + CR            R2 =   .7517

   DIFFERENCE =   .0368   P =   .0126

MODEL 3. ACH = CAT                 R2 =   .7149

BETA FOR CR IN MODEL 2 =   .1938

HI CR =    2.0399   LO CR =    1.0434

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
   LO CAT, LO CR =    -.9478
   LO CAT, HI CR =   -1.0000
   HI CAT, LO CR =     .5874
   HI CAT, HI CR =    1.2175
```


OTHER DISADVANTAGES TO SELF-MADE TESTS (NOT LISTED PREVIOUSLY)

```
CR VARIABLE 35      ID = #7035
NUMBER OF VALID SCORES =    48

MODEL 1. ACH = CAT + CR + CAT*CR   R2 =   .7192

   DIFFERENCE =   .0041   P =   .4517

MODEL 2. ACH = CAT + CR            R2 =   .7151

   DIFFERENCE =   .0002   P =   .8591

MODEL 3. ACH = CAT                 R2 =   .7149

BETA FOR CR IN MODEL 2 =  -.0142

HI CR =    1.2415   LO CR =     .8418

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
   LO CAT, LO CR =    -.9784
   LO CAT, HI CR =    -.6919
   HI CAT, LO CR =     .8617
   HI CAT, HI CR =     .4773
```

Teacher finds students'academic level by:

OBSERVATION OF WORK AND BEHAVIOR

```
CR VARIABLE 36      ID = #7036
NUMBER OF VALID SCORES =    56

MODEL 1. ACH = CAT + CR + CAT*CR   R2 =   .7963

   DIFFERENCE =   .0071   P =   .1799

MODEL 2. ACH = CAT + CR            R2 =   .7891

   DIFFERENCE =   .0001   P =   .7746

MODEL 3. ACH = CAT                 R2 =   .7888

BETA FOR CR IN MODEL 2 =   .0181

HI CR =    1.8363   LO CR =     .8780

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
   LO CAT, LO CR =   -1.0359
   LO CAT, HI CR =    -.8278
   HI CAT, LO CR =    1.0181
   HI CAT, HI CR =     .8820
```

CHECKING PERSONAL FILES ASK COUNSELOR, OTHER TEACHERS

CR VARIABLE 37 ID = 07037
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8158

DIFFERENCE = .0001 P = .7740

MODEL 2: ACH = CAT + CR R2 = .8147

DIFFERENCE = .8259 P = .0006

MODEL 3: ACH = CAT R2 = .7888

BETA FOR CR IN MODEL 2 = -.1669

HI CR = 1.5416 LO CR = .7956

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7983
LO CAT, HI CR = -1.0928
HI CAT, LO CR = 1.1261
HI CAT, HI CR = .7789

DOING ORAL WORK, READING ALOUD

CR VARIABLE 38 ID = 07038
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7969

DIFFERENCE = .0008 P = .6517

MODEL 2: ACH = CAT + CR R2 = .7960

DIFFERENCE = .0072 P = .1734

MODEL 3: ACH = CAT R2 = .7888

BETA FOR CR IN MODEL 2 = .0875

HI CR = 1.3290 LO CR = .8139

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0100
LO CAT, HI CR = -.6980
HI CAT, LO CR = .7911
HI CAT, HI CR = .9529

GETTING WRITING SAMPLE, PARAGRAPH

CR VARIABLE 39 ID = 07039
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7888

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2: ACH = CAT + CR R2 = .7888

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3: ACH = CAT R2 = .7888

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 1.0000 LO CR = 1.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8882
LO CAT, HI CR = -.8882
HI CAT, LO CR = .8882
HI CAT, HI CR = .8882

USING STANDARD DIAGNOSTIC TEST

CR VARIABLE 40 ID = 07040
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8358

DIFFERENCE = .0033 P = .0008

MODEL 2: ACH = CAT + CR R2 = .7925

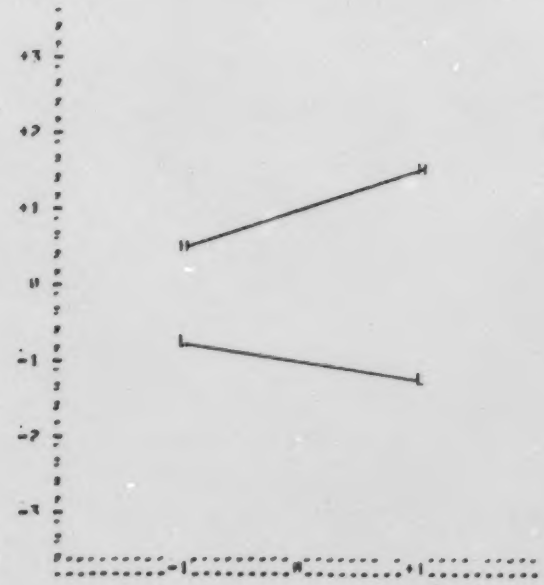
DIFFERENCE = .0037 P = .3374

MODEL 3: ACH = CAT R2 = .7888

BETA FOR CR IN MODEL 2 = .0610

HI CR = 1.5616 LO CR = .7956

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7502
LO CAT, HI CR = -1.1640
HI CAT, LO CR = .5796
HI CAT, HI CR = 1.0478



USING DIAGNOSTIC TEST--UNSPECIFIED IF STANDARD OR SELF-MADE

CR VARIABLE 41 ID = 07041
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8045

DIFFERENCE = .0085 P = .1348

MODEL 2: ACH = CAT + CR R2 = .7960

DIFFERENCE = .0071 P = .1758

MODEL 3: ACH = CAT R2 = .7888

BETA FOR CR IN MODEL 2 = -.0855

HI CR = 1.8812 LO CR = .9845

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7031
LO CAT, HI CR = -1.0537
HI CAT, LO CR = .8055
HI CAT, HI CR = .9315

USING SELF MADE DIAGNOSTIC TEST

CR VARIABLE 42 ID = 07042
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8239

DIFFERENCE = .0106 P = .0789

MODEL 2: ACH = CAT + CR R2 = .8133

DIFFERENCE = .0245 P = .0106

MODEL 3: ACH = CAT R2 = .7888

BETA FOR CR IN MODEL 2 = .1581

HI CR = 1.7375 LO CR = .8348

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9844
LO CAT, HI CR = -.9879
HI CAT, LO CR = .6501
HI CAT, HI CR = 1.3233

ASKING THE STUDENT

```
CR VARIABLE 43      ID = #7843
NUMBER OF VALID SCORES =    56

MODEL 1: ACH = CAT + CR + CAT*CR    R2 =   .8051

   DIFFERENCE =   .0061   P =   .2864

MODEL 2: ACH = CAT + CR             R2 =   .7990

   DIFFERENCE =   .0102   P =   .1835

MODEL 3: ACH = CAT                  R2 =   .7888

BETA FOR CR IN MODEL 2 =  -.1814

HI CR =    1.4928   LO CR =     .7929

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CR =    -.7036
   LO CAT, HI CR =   -1.0835
   HI CAT, LO CR =     .8770
   HI CAT, HI CR =     .9559
```

Teacher finds causes of learning problems by:

ANALYSIS OF WORK, BEHAVIOR

```
CR VARIABLE 44      ID = #7844
NUMBER OF VALID SCORES =    54

MODEL 1: ACH = CAT + CR + CAT*CR    R2 =   .8080

   DIFFERENCE =   .0065   P =   .1948

MODEL 2: ACH = CAT + CR             R2 =   .8014

   DIFFERENCE =   .0078   P =   .1597

MODEL 3: ACH = CAT                  R2 =   .7936

BETA FOR CR IN MODEL 2 =  -.0936

HI CR =    1.6975   LO CR =     .8218

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CR =    -.9378
   LO CAT, HI CR =    -.9512
   HI CAT, LO CR =    1.1519
   HI CAT, HI CR =     .8373
```


REFERRING KID TO COUNSELOR, RESOURCE TEACHER, SPECIAL ED.

```
CR VARIABLE 45      ID = #7845
NUMBER OF VALID SCORES =    54

MODEL 1: ACH = CAT + CR + CAT*CR    R2 =   .8127

   DIFFERENCE =   .0115   P =   .0820

MODEL 2: ACH = CAT + CR             R2 =   .8012

   DIFFERENCE =   .0076   P =   .1657

MODEL 3: ACH = CAT                  R2 =   .7936

BETA FOR CR IN MODEL 2 =   .0872

HI CR =    1.8533   LO CR =     .8875

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CR =   -1.1523
   LO CAT, HI CR =    -.7553
   HI CAT, LO CR =     .9911
   HI CAT, HI CR =     .9404
```

CONSULTING PERMANENT FILE, COUNSELOR, OTHER TEACHERS

CR VARIABLE 46 ID = 07046
NUMBER OF VALID SCORES = 54

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8193

DIFFERENCE = .0164 P = .0360

MODEL 2: ACH = CAT + CR R2 = .8030

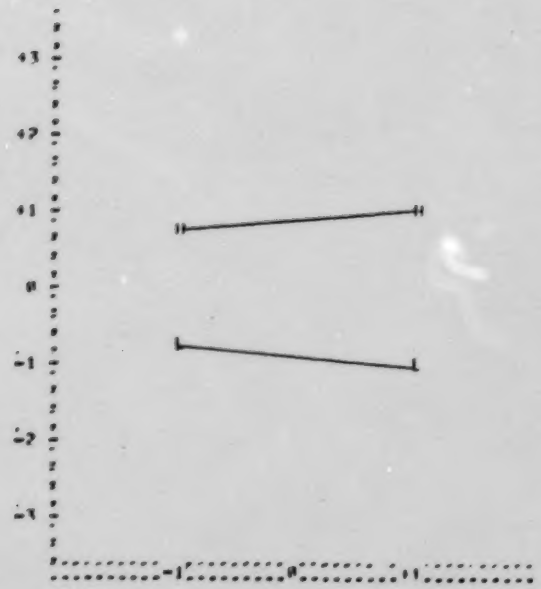
DIFFERENCE = .0894 P = .1719

MODEL 3: ACH = CAT R2 = .7936

BETA FOR CR IN MODEL 2 = -.0974

HI CR = 1.6975 LO CR = .8218

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.4689
LO CAT, HI CR = -1.1239
HI CAT, LO CR = .8517
HI CAT, HI CR = 1.0141



WORKING WITH STUDENT: CONFERENCE WITH STUDENT

CR VARIABLE 47 ID = 07047
NUMBER OF VALID SCORES = 54

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8066

DIFFERENCE = .0128 P = .0717

MODEL 2: ACH = CAT + CR R2 = .7938

DIFFERENCE = .0002 P = .8298

MODEL 3: ACH = CAT R2 = .7936

BETA FOR CR IN MODEL 2 = -.0136

HI CR = 1.9811 LO CR = .9818

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0526
LO CAT, HI CR = -.8243
HI CAT, LO CR = 1.1218
HI CAT, HI CR = .8247

USING DIAGNOSTIC TEST

CR VARIABLE 48 ID = #7048
NUMBER OF VALID SCORES = 54

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .8133

DIFFERENCE = .0178 P = .0319

MODEL 2. ACH = CAT + CR R2 = .7955

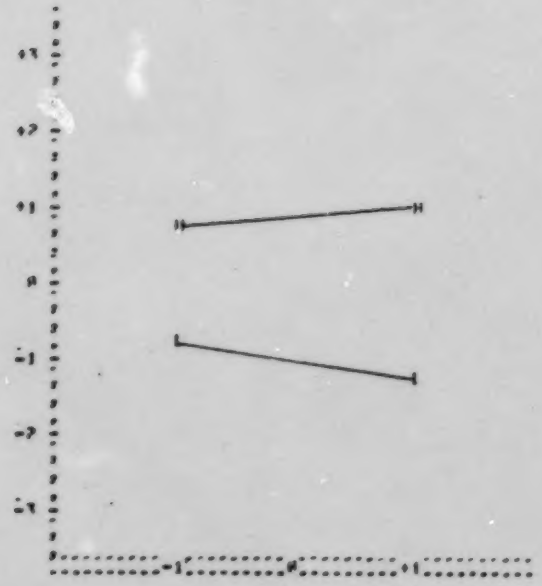
DIFFERENCE = .0019 P = .4981

MODEL 3. ACH = CAT R2 = .7936

BETA FOR CR IN MODEL 2 = -.0448

HI CR = 1.6380 LO CR = .8865

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.7061
LO CAT, HI CR = -1.2473
HI CAT, LO CR = .8138
HI CAT, HI CR = 1.0810



CONTACTING PARENTS

CR VARIABLE 49 ID = #7049
NUMBER OF VALID SCORES = 54

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .8112

DIFFERENCE = .0002 P = .8114

MODEL 2. ACH = CAT + CR R2 = .8110

DIFFERENCE = .0174 P = .0329

MODEL 3. ACH = CAT R2 = .7936

BETA FOR CR IN MODEL 2 = -.1364

HI CR = 1.3368 LO CR = .8122

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.7151
LO CAT, HI CR = -.9959
HI CAT, LO CR = .9498
HI CAT, HI CR = .8948

OTHER METHODS TO DIAGNOSE LEARNING PROBLEMS

CR VARIABLE 50 ID = #7050
NUMBER OF VALID SCORES = 54

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .8002

DIFFERENCE = .0068 P = .2771

MODEL 2. ACH = CAT + CR R2 = .7953

DIFFERENCE = .0017 P = .5288

MODEL 3. ACH = CAT R2 = .7936

BETA FOR CR IN MODEL 2 = -.0423

HI CR = 1.7529 LO CR = .8397

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.7832
LO CAT, HI CR = -1.0096
HI CAT, LO CR = .8613
HI CAT, HI CR = .9936

TEACHER GIVEN STEP-BY-STEP PROCESS TO DIAGNOSE LEARNING PROBLEM

CR VARIABLE 51 ID = 07051
NUMBER OF VALID SCORES = 54

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8052

DIFFERENCE = .0084 P = .1452

MODEL 2: ACH = CAT + CR R2 = .7969

DIFFERENCE = .0032 P = .3748

MODEL 3: ACH = CAT R2 = .7936

BETA FOR CR IN MODEL 2 = -.0576

HI CR = 1.6388 LO CR = .0865

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7449
LO CAT, HI CR = -1.0847
HI CAT, LO CR = .8281
HI CAT, HI CR = 1.0927

For students who need remediation or enrichment:

GIVE SUPPLEMENTARY PACKETS, WORKBOOKS, KITS

CR VARIABLE 52 ID = 07052

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7912

DIFFERENCE = .0002 P = .8581

MODEL 2: ACH = CAT + CR R2 = .7911

DIFFERENCE = .0011 P = .5985

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0348

HI CR = 2.0898 LO CR = 1.0544

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9015
LO CAT, HI CR = -.8578
HI CAT, LO CR = .8232
HI CAT, HI CR = .9216

GIVE DIFFERENT LEVEL TEXTS, READERS

CR VARIABLE 53 ID = 07053

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7942

DIFFERENCE = .0041 P = .3074

MODEL 2: ACH = CAT + CR R2 = .7902

DIFFERENCE = .0002 P = .8118

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0145

HI CR = 2.0787 LO CR = 1.0937

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0558
LO CAT, HI CR = -.8357
HI CAT, LO CR = .9778
HI CAT, HI CR = .8687

GIVE TEACHER MADE MATERIALS: DITTOS, HANDOUTS

CR VARIABLE 54 ID = 07054

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7992

DIFFERENCE = .0001 P = .8706

MODEL 2: ACH = CAT + CR R2 = .7992

DIFFERENCE = .0092 P = .1144

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0979

HI CR = 1.7730 LO CR = .8477

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7988
LO CAT, HI CR = -1.0118
HI CAT, LO CR = .9921
HI CAT, HI CR = .8119

GIVE PUZZLES, GAMES

CR VARIABLE 55 ID = 87055

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7999

DIFFERENCE = .0036 P = .3359

MODEL 2. ACH = CAT + CR R2 = .7913

DIFFERENCE = .0013 P = .5449

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0364

HI CR = 1.6120 LO CR = .0018

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.8557
LO CAT, HI CR = -.9848
HI CAT, LO CR = .7933
HI CAT, HI CR = 1.0105

USE AUDIO-VISUAL AIDS, LISTENING STATION, ANALOG COMPUTER

CR VARIABLE 56 ID = 87056

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .8003

DIFFERENCE = .0036 P = .3294

MODEL 2. ACH = CAT + CR R2 = .7967

DIFFERENCE = .0067 P = .1797

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0028

HI CR = 1.4828 LO CR = .7931

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.7415
LO CAT, HI CR = -1.0142
HI CAT, LO CR = .8715
HI CAT, HI CR = .9570

GIVE EXTRA-CREDIT ASSIGNMENTS, PROJECTS

CR VARIABLE 57 ID = 87057

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7976

DIFFERENCE = .0056 P = .2238

MODEL 2. ACH = CAT + CR R2 = .7920

DIFFERENCE = .0021 P = .4748

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0463

HI CR = 1.4828 LO CR = .7931

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -1.0105
LO CAT, HI CR = -.7405
HI CAT, LO CR = 1.0195
HI CAT, HI CR = .5896

REFER TO RESOURCE TEACHER, SPECIAL HELP

CR VARIABLE 58 ID = 87058

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .8072

DIFFERENCE = .0013 P = .5562

MODEL 2. ACH = CAT + CR R2 = .8059

DIFFERENCE = .0159 P = .0359

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .1268

HI CR = 1.4828 LO CR = .7931

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -1.0665
LO CAT, HI CR = -.7141
HI CAT, LO CR = .8372
HI CAT, HI CR = .9172

OTHERS READING CLASS, EASIER ASSIGNMENTS FOR REMEDIAL ENRICHMENT

CR VARIABLE 59 ID = 07059

MODEL 1, ACH = CAT + CR + CAT*CR R2 = .7988

DIFFERENCE = .0035 P = .3444

MODEL 2, ACH = CAT + CR R2 = .7909

DIFFERENCE = .0009 P = .6278

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0389

HI CR = 1.4888 LO CR = .7989

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CR = -.8852
LO CAT, HI CR = -.9709
HI CAT, LO CR = .8254
HI CAT, HI CR = .9974

TEACHER USES ENRICHMENT ACTIVITIES

CR VARIABLE 60 ID = 07060

MODEL 1, ACH = CAT + CR + CAT*CR R2 = .7920

DIFFERENCE = .0007 P = .6820

MODEL 2, ACH = CAT + CR R2 = .7914

DIFFERENCE = .0014 P = .5499

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0384

HI CR = 1.7228 LO CR = .8289

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CR = -.9559
LO CAT, HI CR = -.8028
HI CAT, LO CR = .8898
HI CAT, HI CR = .8296

TEACHER STRESSES EFFORT IN DECIDING GRADES, RATHER THAN ACHIEVEMENT

CR VARIABLE 61 ID = 07061

MODEL 1, ACH = CAT + CR + CAT*CR R2 = .8065

DIFFERENCE = .0074 P = .1517

MODEL 2, ACH = CAT + CR R2 = .7990

DIFFERENCE = .0091 P = .1171

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.1000

HI CR = 2.6302 LO CR = 1.2969

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CR = -.9911
LO CAT, HI CR = -.9717
HI CAT, LO CR = 1.1605
HI CAT, HI CR = .8003

TEACHER REGULARLY USES CURVE IN GRADING

CR VARIABLE 62 ID = 07062

MODEL 1, ACH = CAT + CR + CAT*CR R2 = .7907

DIFFERENCE = .0029 P = .3937

MODEL 2, ACH = CAT + CR R2 = .7919

DIFFERENCE = .0019 P = .4875

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0437

HI CR = 2.4558 LO CR = .8554

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CR = -.8837
LO CAT, HI CR = -.8688
HI CAT, LO CR = .9858
HI CAT, HI CR = .7733

To prevent confusion with new material:

USE EXAMPLES--CONCRETE, GRAPHIC

CR VARIABLE 63 ID = 07063

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7928

DIFFERENCE = .0001 P = .8440

MODEL 2: ACH = CAT + CR R2 = .7918

DIFFERENCE = .0019 P = .4921

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0433

HI CR = 1.6693 LO CR = .8135

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9289
LO CAT, HI CR = -.8771
HI CAT, LO CR = .8337
HI CAT, HI CR = .9664

EXPLAIN DIFFERENT WAYS; USE SMALL STEPS; REPEAT; DETAILED LECTURE

CR VARIABLE 64 ID = 07064

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8049

DIFFERENCE = .0001 P = .8533

MODEL 2: ACH = CAT + CR R2 = .8048

DIFFERENCE = .0148 P = .0431

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.1228

HI CR = 1.8685 LO CR = .8941

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7697
LO CAT, HI CR = -.9936
HI CAT, LO CR = 1.0135
HI CAT, HI CR = .7476

USE VISUAL AND AUDITORY AIDS; OVERHEAD PROJECTOR

CR VARIABLE 65 ID = 07065

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7939

DIFFERENCE = .0039 P = .3165

MODEL 2: ACH = CAT + CR R2 = .7900

DIFFERENCE = .0000 P = .9375

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0048

HI CR = 1.4828 LO CR = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7926
LO CAT, HI CR = -1.0569
HI CAT, LO CR = .8481
HI CAT, HI CR = .9586

RELATE TO PREVIOUS MATERIAL AND BUILD FROM THERE

CR VARIABLE 66 ID = 07066

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7935

DIFFERENCE = .0000 P = .9377

MODEL 2: ACH = CAT + CR R2 = .7934

DIFFERENCE = .0035 P = .3419

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0612

HI CR = 1.5582 LO CR = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8377
LO CAT, HI CR = -.9688
HI CAT, LO CR = .9648
HI CAT, HI CR = .8428

GENERATE INTEREST, MOTIVATION; RELATE TO REAL WORLD; BE ENTERTAINING

CR VARIABLE 67 ID = 07067

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7978

DIFFERENCE = .0073 P = .1459

MODEL 2: ACH = CAT + CR R2 = .7905

DIFFERENCE = .0005 P = .7987

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0234

HI CR = 1.0000 LO CR = .7989

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0323
LO CAT, HI CR = -.6601
HI CAT, LO CR = 1.0625
HI CAT, HI CR = .9488

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ASK FOR QUESTIONS; DISCUSS W/STUDENTS; WATCH FOR PUZZLED FACES

CR VARIABLE 68 ID = 07068

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7987

DIFFERENCE = .0078 P = .1508

MODEL 2: ACH = CAT + CR R2 = .7909

DIFFERENCE = .0009 P = .6254

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0348

HI CR = 1.0020 LO CR = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0486
LO CAT, HI CR = -.7642
HI CAT, LO CR = .9575
HI CAT, HI CR = .9625

GIVE ORAL EXPLANATION, LECTURE

CR VARIABLE 69 ID = 07069

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7949

DIFFERENCE = .0039 P = .3134

MODEL 2: ACH = CAT + CR R2 = .7909

DIFFERENCE = .0010 P = .6223

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0317

HI CR = 1.5502 LO CR = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8664
LO CAT, HI CR = -.9386
HI CAT, LO CR = .7866
HI CAT, HI CR = 1.0540

CHECK COMPREHENSION W/TEST, DRILL EXERCISES, BOARD WORK

CR VARIABLE 70 ID = 07070

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7908

DIFFERENCE = .0008 P = .9591

MODEL 2: ACH = CAT + CR R2 = .7900

DIFFERENCE = .0000 P = .9936

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0001

HI CR = 1.5502 LO CR = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8847
LO CAT, HI CR = -.8960
HI CAT, LO CR = .8869
HI CAT, HI CR = .8914

GIVE HANDOUTS; WRITTEN INSTRUCTIONS OR EXPLANATION, OUTLINE

CR VARIABLE 71 ID # 07071

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7976

DIFFERENCE = .0073 P = .1648

MODEL 2: ACH = CAT + CR R2 = .7903

DIFFERENCE = .0004 P = .7686

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0188

HI CR = 1.4988 LO LR = .7989

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8155
LO CAT, HI CR = -.9488
HI CAT, LO CR = .7915
HI CAT, HI CR = .9535

ACTIVE STUDENT PARTICIPATION; TAKE NOTES; WORK PROBLEMS W/TEACHER

CR VARIABLE 73 ID # 07073

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7928

DIFFERENCE = .0000 P = .9176

MODEL 2: ACH = CAT + CR R2 = .7927

DIFFERENCE = .0028 P = .3978

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0529

HI CR = 1.5582 LO LR = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9308
LO CAT, HI CR = -.8051
HI CAT, LO CR = .8323
HI CAT, HI CR = .9534

USE PRIVATE CONTACTS; WORK WITH STUDENTS INDIVIDUALLY

CR VARIABLE 72 ID # 07072

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7989

DIFFERENCE = .0011 P = .6005

MODEL 2: ACH = CAT + CR R2 = .7938

DIFFERENCE = .0038 P = .3199

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0617

HI CR = 1.4988 LO LR = .7989

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8658
LO CAT, HI CR = -.9935
HI CAT, LO CR = .9855
HI CAT, HI CR = .7888

OTHER:TEACH VOCABULARY; KEEP THEM QUIET; LET PEERS EXPLAIN

CR VARIABLE 74 ID # 07074

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7964

DIFFERENCE = .0064 P = .1765

MODEL 2: ACH = CAT + CR R2 = .7900

DIFFERENCE = .0000 P = .9193

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0061

HI CR = 1.6693 LO LR = .8135

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8261
LO CAT, HI CR = -1.0177
HI CAT, LO CR = .7983
HI CAT, HI CR = 1.1162

When students strive to hide their confusion:

AVOID EMBARASSING; BUILD TRUST; DRAW THEM OUT

CR VARIABLE 75 ID # 07075

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7972

DIFFERENCE = .0063 P = .1991

MODEL 2: ACH = CAT + CR R2 = .7909

DIFFERENCE = .0009 P = .6286

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0385

HI CR = 1.7228 LO CR = .8289

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.3528
LO CAT, HI CR = -.0963
HI CAT, LO CR = .7867
HI CAT, HI CR = 1.0833

GIVE HELP, TALK WITH THEM OUTSIDE OF CLASS

CR VARIABLE 77 ID # 07077

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7999

DIFFERENCE = .0014 P = .5478

MODEL 2: ACH = CAT + CR R2 = .7985

DIFFERENCE = .0085 P = .1287

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.1087

HI CR = 1.5582 LO CR = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8888
LO CAT, HI CR = -.9946
HI CAT, LO CR = 1.0812
HI CAT, HI CR = .8435

GIVE HELP IN CLASS; WORK WITH STUDENT; RETEACH

CR VARIABLE 76 ID # 07076

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8021

DIFFERENCE = .0105 P = .0921

MODEL 2: ACH = CAT + CR R2 = .7915

DIFFERENCE = .0016 P = .5273

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0400

HI CR = 2.1385 LO CR = 1.1799

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9868
LO CAT, HI CR = -1.0487
HI CAT, LO CR = .8628
HI CAT, HI CR = 1.1923

CALL ON THEM IN CLASS; GET THEM INVOLVED AT BOARD, ANSWERING QUESTIONS

CR VARIABLE 78 ID # 07078

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8021

DIFFERENCE = .0051 P = .2394

MODEL 2: ACH = CAT + CR R2 = .7970

DIFFERENCE = .0070 P = .1705

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0841

HI CR = 1.4828 LO CR = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8651
LO CAT, HI CR = -.9744
HI CAT, LO CR = .7272
HI CAT, HI CR = 1.0669

LEAVE IT UP TO STUDENT TO SEEK HELP, TAKE INITIATIVE

CR VARIABLE 79 ID = 870?9

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .?18A

DIFFERENCE = .0204 P = .?183

MODEL 2: ACH = CAT + CR R2 = .?982

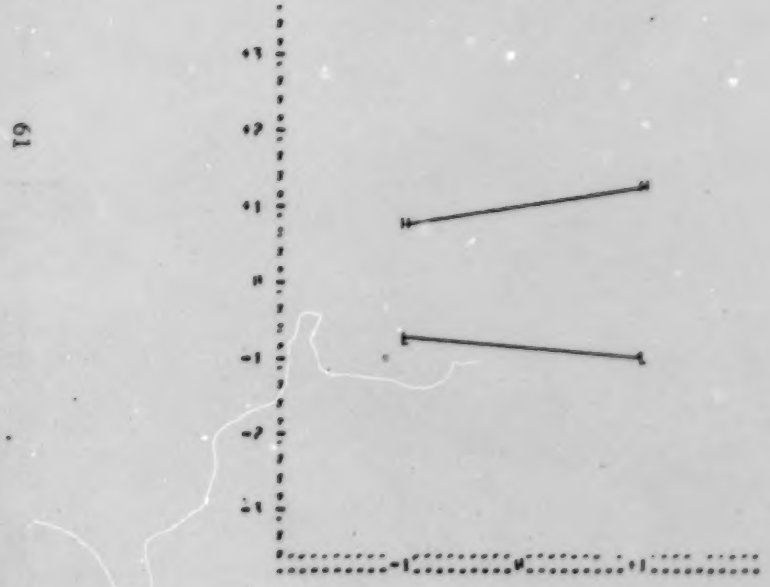
DIFFERENCE = .0003 P = .?939

MODEL 3: ACH = CAT R2 = .?988

BETA FOR CR IN MODEL 2 = .?159

HI CR = 1.4888 LO CR = .?989

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.?836
LO CAT, HI CR = -.9918
HI CAT, LO CR = .6998
HI CAT, HI CR = 1.1365



GET HELP, INFORMATION FROM COUNSELOR, PRINCIPAL PARENTS, CHECK RECORDS

CR VARIABLE A8 ID = 870A8

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .?964

DIFFERENCE = .0047 P = .2708

MODEL 2: ACH = CAT + CR R2 = .?917

DIFFERENCE = .0017 P = .5867

MODEL 3: ACH = CAT R2 = .?988

BETA FOR CR IN MODEL 2 = -.?458

HI CR = 1.5582 LO CR = .?947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9564
LO CAT, HI CR = -.8929
HI CAT, LO CR = 1.0857
HI CAT, HI CR = .8858

NOT A PROBLEM; DOESNT HAPPEN MUCH

CR VARIABLE A1 ID = 870A1

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .?997

DIFFERENCE = .0093 P = .1151

MODEL 2: ACH = CAT + CR R2 = .?904

DIFFERENCE = .0004 P = .?418

MODEL 3: ACH = CAT R2 = .?900

BETA FOR CR IN MODEL 2 = -.?285

HI CR = 1.5224 LO CR = .?154

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9478
LO CAT, HI CR = -.8719
HI CAT, LO CR = 1.0080
HI CAT, HI CR = .7948

OTHERS USE CONTRACTS, PEER TUTORS; CATCH IT ON TESTS

CR VARIABLE A2 ID = #70A2

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .8091

DIFFERENCE = .0129 P = .8578

MODEL 2. ACH = CAT + CR R2 = .7962

DIFFERENCE = .0062 P = .1976

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0790

HI CR = 1.6120 LO CR = .8818

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.4987
LO CAT, HI CR = -1.1488
HI CAT, LO CR = .8637
HI CAT, HI CR = .9538

TEACHER HAS STEP-BY-STEP PROCESS FOR STUDENTS WHO TRY TO HIDE CONFUSION

CR VARIABLE A3 ID = #70A3

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7901

DIFFERENCE = .0001 P = .8484

MODEL 2. ACH = CAT + CR R2 = .7900

DIFFERENCE = .0001 P = .9914

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0876

HI CR = 1.6120 LO CR = .8818

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.8972
LO CAT, HI CR = -.8916
HI CAT, LO CR = .9155
HI CAT, HI CR = .8849

TEACHER HAS ESTABLISHED RULES AND PROCEDURES FOR APPROPRIATE BEHAVIOR

CR VARIABLE A4 ID = #70A4

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7949

DIFFERENCE = .0000 P = .9562

MODEL 2. ACH = CAT + CR R2 = .7949

DIFFERENCE = .0049 P = .2552

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0781

HI CR = 2.1888 LO CR = 1.6776

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.9487
LO CAT, HI CR = -.8323
HI CAT, LO CR = .8845
HI CAT, HI CR = .9704

Established rules and procedures are:

MUST COME PREPARED; BRING SUPPLIES, HOMEWORK, MATERIALS

CR VARIABLE A5 ID = 07005

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8174

DIFFERENCE = .0148 P = .0387

MODEL 2: ACH = CAT + CR R2 = .8026

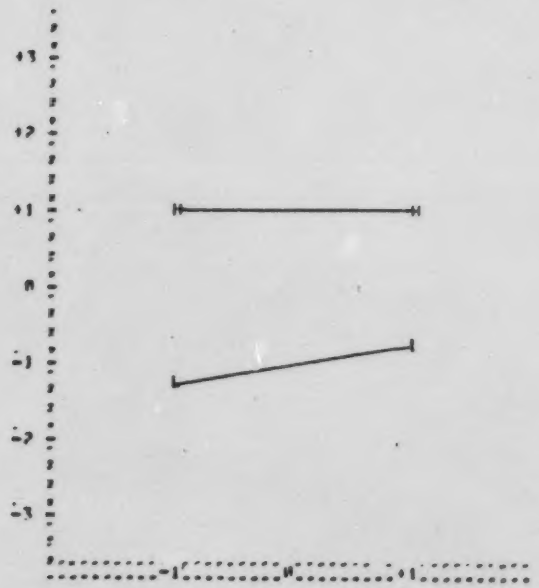
DIFFERENCE = .0127 P = .0624

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .1146

HI CR = 2.0498 LO CR = 1.0944

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.1736
LO CAT, HI CR = -.6705
HI CAT, LO CR = 1.0496
HI CAT, HI CR = .9152



MUST BE ON TIME; IN SEAT AT BELL; NO TARDINESS

CR VARIABLE A6 ID = 07006

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7914

DIFFERENCE = .0001 P = .0515

MODEL 2: ACH = CAT + CR R2 = .7912

DIFFERENCE = .0013 P = .5725

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0368

HI CR = 1.9825 LO CR = .9831

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8503
LO CAT, HI CR = -.9063
HI CAT, LO CR = .9237
HI CAT, HI CR = .8254

MUST SIT IN ASSIGNED SEAT

CR VARIABLE A7 ID = 07007

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7934

DIFFERENCE = .0007 P = .6009

MODEL 2: ACH = CAT + CR R2 = .7928

DIFFERENCE = .0028 P = .3947

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0535

HI CR = 1.9488 LO CR = .7989

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7992
LO CAT, HI CR = -1.0194
HI CAT, LO CR = .9235
HI CAT, HI CR = .8759

MUST NOT LEAVE SEAT WITHOUT PERMISSION

CR VARIABLE A8 ID = #7008

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7919

DIFFERENCE = .0019 P = .4954

MODEL 2: ACH = CAT + CR R2 = .7900

DIFFERENCE = .0001 P = .8738

MODEL 3: ACH = CAT R2 = .7900

BETA FOR LR IN MODEL 2 = -.0094

HI CR = 1.8645 LO LR = .8941

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8480
LO CAT, HI CR = -.9822
HI CAT, LO CR = .8668
HI CAT, HI CR = .9686

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MUST NOT INTERRUPT TEACHER OR OTHERS; RAISE HAND; TALK ONE AT A TIME

CR VARIABLE A9 ID = #7009

MODEL 1: ACH = CAT + LR + CAT*CR R2 = .7976

DIFFERENCE = .0074 P = .1621

MODEL 2: ACH = CAT + CR R2 = .7902

DIFFERENCE = .0002 P = .7958

MODEL 3: ACH = CAT R2 = .7900

BETA FOR LR IN MODEL 2 = -.0158

HI CR = 2.1385 LO LR = 1.1799

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8548
LO CAT, HI CR = -1.0676
HI CAT, LO CR = .8848
HI CAT, HI CR = 1.0536

NO DISRUPTION, LOUD TALKING, BOTHERING OTHERS

CR VARIABLE 90 ID = #7090

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7991

DIFFERENCE = .0073 P = .1642

MODEL 2: ACH = CAT + CR R2 = .7918

DIFFERENCE = .0019 P = .4924

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0068

HI CR = 1.7738 LO LR = .8477

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8734
LO CAT, HI CR = -.9158
HI CAT, LO CR = .7764
HI CAT, HI CR = 1.1577

NO FIGHTING, HORSEPLAY, THROWING THINGS

CR VARIABLE 91 ID = #7091

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7916

DIFFERENCE = .0014 P = .5577

MODEL 2: ACH = CAT + CR R2 = .7902

DIFFERENCE = .0003 P = .7872

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0165

HI CR = 1.8828 LO LR = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8738
LO CAT, HI CR = -.9972
HI CAT, LO CR = .8524
HI CAT, HI CR = .9542

NO GUM OR FOOD ALLOWED

CR VARIABLE 92 ID = 07092

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .0032

DIFFERENCE = .0002 P = .2878

MODEL 2: ACH = CAT + CR R2 = .7990

DIFFERENCE = .0001 P = .1169

MODEL 3: ACH = CAT R2 = .7988

BETA FOR CR IN MODEL 2 = .0991

HI CR = 1.6128 LO CR = .8818

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0056
LO CAT, HI CR = -.7114
HI CAT, LO CR = .8514
HI CAT, HI CR = .9668

EXPECT MUTUAL RESPECT, COURTESY; RESPECT RIGHTS OF OTHERS

CR VARIABLE 93 ID = 07093

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7912

DIFFERENCE = .0012 P = .5461

MODEL 2: ACH = CAT + CR R2 = .7900

DIFFERENCE = .0000 P = .9991

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0006

HI CR = 1.4828 LO CR = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9281
LO CAT, HI CR = -.8168
HI CAT, LO CR = .9199
HI CAT, HI CR = .8611

OTHERS NO PROFANITY; ONLY SCHOOL RULES; CLEAN UP MOUTH, ETC.

CR VARIABLE 94 ID = 07094

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7919

DIFFERENCE = .0009 P = .6429

MODEL 2: ACH = CAT + CR R2 = .7910

DIFFERENCE = .0010 P = .6077

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0333

HI CR = 1.7730 LO CR = .8477

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9070
LO CAT, HI CR = -.7890
HI CAT, LO CR = .9784
HI CAT, HI CR = .8589

TEACHER HAS RULES FOR TURNING IN HOMEWORK AND SEATWORK

CR VARIABLE 95 ID = 07095

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7901

DIFFERENCE = .0000 P = .7689

MODEL 2: ACH = CAT + CR R2 = .7900

DIFFERENCE = .0000 P = .9788

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0015

HI CR = 2.2953 LO CR = 1.4498

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8882
LO CAT, HI CR = -.9073
HI CAT, LO CR = .8628
HI CAT, HI CR = .9897

Rules for turning in homework:

DISTINGUISHES BETWEEN EXCUSED AND UNEXCUSED IN ACCEPTING LATE PAPERS

CR VARIABLE 96 ID = B7B96
NUMBER OF VALID SCORES = 52

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8108

DIFFERENCE = .0214 P = .8226

MODEL 2: ACH = CAT + CR R2 = .7894

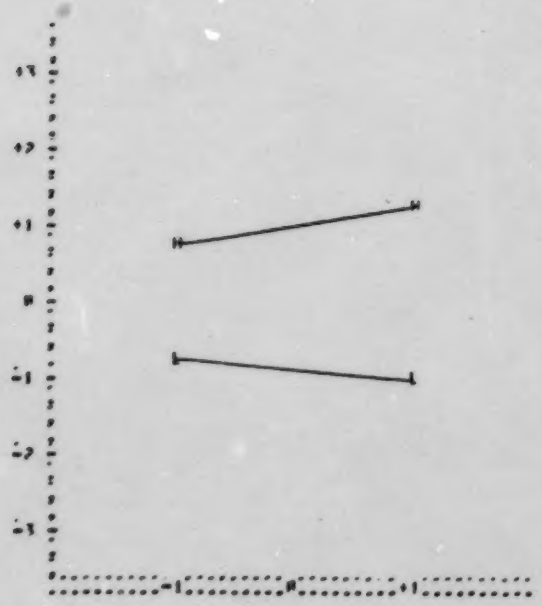
DIFFERENCE = .0894 P = .1426

MODEL 3: ACH = CAT R2 = .7801

BETA FOR CR IN MODEL 2 = .8978

HI CR = 1.6521 LO CR = .8894

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8253
LO CAT, HI CR = -1.8694
HI CAT, LO CR = .6462
HI CAT, HI CR = 1.1958



PENALIZES GRADE WHEN WORK IS LATE

CR VARIABLE 97 ID = B7B97
NUMBER OF VALID SCORES = 52

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7829

DIFFERENCE = .0025 P = .4697

MODEL 2: ACH = CAT + CR R2 = .7805

DIFFERENCE = .0004 P = .7636

MODEL 3: ACH = CAT R2 = .7801

BETA FOR CR IN MODEL 2 = .8288

HI CR = 1.8711 LO CR = .8981

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8691
LO CAT, HI CR = -.9629
HI CAT, LO CR = .8298
HI CAT, HI CR = 1.0121

SETS DEADLINE BEYOND ORIGINAL DUE DATE; LOOSE ON DUE DATES

CR VARIABLE 98 ID = B7B98
NUMBER OF VALID SCORES = 52

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7827

DIFFERENCE = .0022 P = .4971

MODEL 2: ACH = CAT + CR R2 = .7805

DIFFERENCE = .0004 P = .7545

MODEL 3: ACH = CAT R2 = .7801

BETA FOR CR IN MODEL 2 = -.0213

HI CR = 1.6521 LO CR = .8894

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9221
LO CAT, HI CR = -.7761
HI CAT, LO CR = .9469
HI CAT, HI CR = .8898

WORK IS DUE ON DUE DATE

CR VARIABLE 99 ID = 87899
NUMBER OF VALID SCORES = 52

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7834

DIFFERENCE = .0033 P = .3998

MODEL 2: ACH = CAT + CR R2 = .7801

DIFFERENCE = .0001 P = .9886

MODEL 3: ACH = CAT R2 = .7801

BETA FOR CR IN MODEL 2 = -.0089

HI CR = 2.1919 LO CR = 1.1289

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8357
LO CAT, HI CR = -.9818
HI CAT, LO CR = .8959
HI CAT, HI CR = 1.0513

OTHERS CHECKS ONLY OCCASIONALLY FOR COMPREHENSION, ETC.

CR VARIABLE 1 ID = 87101
NUMBER OF VALID SCORES = 52

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7917

DIFFERENCE = .0097 P = .1386

MODEL 2: ACH = CAT + CR R2 = .7821

DIFFERENCE = .0028 P = .5113

MODEL 3: ACH = CAT R2 = .7801

BETA FOR CR IN MODEL 2 = -.0449

HI CR = 1.7128 LO CR = .8257

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7488
LO CAT, HI CR = -1.1293
HI CAT, LO CR = .8313
HI CAT, HI CR = 1.0758

HAS PROCEDURAL RULES: DO IN INK, PENCIL; PUT IN TRAY; GRADE OWN PAPER

CR VARIABLE 100 ID = 87100
NUMBER OF VALID SCORES = 52

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7895

DIFFERENCE = .0078 P = .1869

MODEL 2: ACH = CAT + CR R2 = .7817

DIFFERENCE = .0017 P = .5495

MODEL 3: ACH = CAT R2 = .7801

BETA FOR CR IN MODEL 2 = .0416

HI CR = 1.7492 LO CR = .8462

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0427
LO CAT, HI CR = -.7855
HI CAT, LO CR = .9825
HI CAT, HI CR = .9836

TEACHER HAS RULES FOR MAKING UP MISSED WORK

CR VARIABLE 2 ID = 87102

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7957

DIFFERENCE = .0049 P = .2595

MODEL 2: ACH = CAT + CR R2 = .7908

DIFFERENCE = .0089 P = .0398

MODEL 3: ACH = CAT R2 = .7908

BETA FOR CR IN MODEL 2 = .0183

HI CR = 2.1521 LO CR = 1.2270

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9527
LO CAT, HI CR = -.7756
HI CAT, LO CR = .9584
HI CAT, HI CR = .8427

Rules for making up missed work:

SETS A TIME LIMIT FOR TURNING IN MISSED WORK

CR VARIABLE 5 ID = #7103
NUMBER OF VALID SCORES = 48

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7927

DIFFERENCE = .0041 P = .3562

MODEL 2: ACH = CAT + CR R2 = .7886

DIFFERENCE = .0061 P = .2689

MODEL 3: ACH = CAT R2 = .7825

BETA FOR CR IN MODEL 2 = .0789

HI CR = 2.1891 LO CR = 1.1989

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0006
LO CAT, HI CR = -.7826
HI CAT, LO CR = .8255
HI CAT, HI CR = .8383

PENALIZES GRADE FOR UNEXCUSED ABSENCE OR EXCEEDING MAKE-UP DEADLINE

CR VARIABLE 5 ID = #7105
NUMBER OF VALID SCORES = 48

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7861

DIFFERENCE = .0008 P = .6896

MODEL 2: ACH = CAT + CR R2 = .7853

DIFFERENCE = .0028 P = .4578

MODEL 3: ACH = CAT R2 = .7825

BETA FOR CR IN MODEL 2 = .0517

HI CR = 1.4557 LO CR = .7943

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7699
LO CAT, HI CR = -.8190
HI CAT, LO CR = .8931
HI CAT, HI CR = .8551

STUDENT MUST TAKE RESPONSIBILITY FOR SEEING THAT WORK IS MADE UP

CR VARIABLE 4 ID = #7104
NUMBER OF VALID SCORES = 48

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7999

DIFFERENCE = .0122 P = .1853

MODEL 2: ACH = CAT + CR R2 = .7878

DIFFERENCE = .0052 P = .2985

MODEL 3: ACH = CAT R2 = .7825

BETA FOR CR IN MODEL 2 = .0719

HI CR = 1.9566 LO CR = .9481

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9189
LO CAT, HI CR = -1.0402
HI CAT, LO CR = .7749
HI CAT, HI CR = 1.3131

TEACHER TAKES SOME RESPONSIBILITY FOR SEEING STUDENT MAKES UP WORK

CR VARIABLE 6 ID = #7106
NUMBER OF VALID SCORES = 48

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7900

DIFFERENCE = .0111 P = .1776

MODEL 2: ACH = CAT + CR R2 = .7829

DIFFERENCE = .0004 P = .7760

MODEL 3: ACH = CAT R2 = .7825

BETA FOR CR IN MODEL 2 = -.0201

HI CR = 1.3597 LO CR = .8869

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8186
LO CAT, HI CR = -.9198
HI CAT, LO CR = .6417
HI CAT, HI CR = 1.2499

```
OTHER: LAISSEZ-FAIRE ATTITUDE;MISSED WORK MUST BE MADE UP, ETC.

        CB VARIABLE  7       ID = 07107
        NUMBER OF VALID SCORES =    48

        MODEL 1. ACH = CAT + CB + CAT*CB    R2 =   .8021

           DIFFERENCE =   .0140   P =   .0807

        MODEL 2. ACH = CAT + CB             R2 =   .7881

           DIFFERENCE =   .0055   P =   .2842

        MODEL 3. ACH = CAT                  R2 =   .7825

        BETA FOR CB IN MODEL 2 =   .0765

        HI CB =    1.8591   LO CB =     .8909

        EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
           LO CAT, LO CB =   -1.1475
           LO CAT, HI CB =    -.7371
           HI CAT, LO CB =    1.0771
           HI CAT, HI CB =     .9376
```



```
RULES AND PROCEDURES DIFFER BETWEEN CLASSES

        CB VARIABLE  8       ID = 07108

        MODEL 1. ACH = CAT + CB + CAT*CB    R2 =   .8087

           DIFFERENCE =   .0186   P =   .0245

        MODEL 2. ACH = CAT + CB             R2 =   .7902

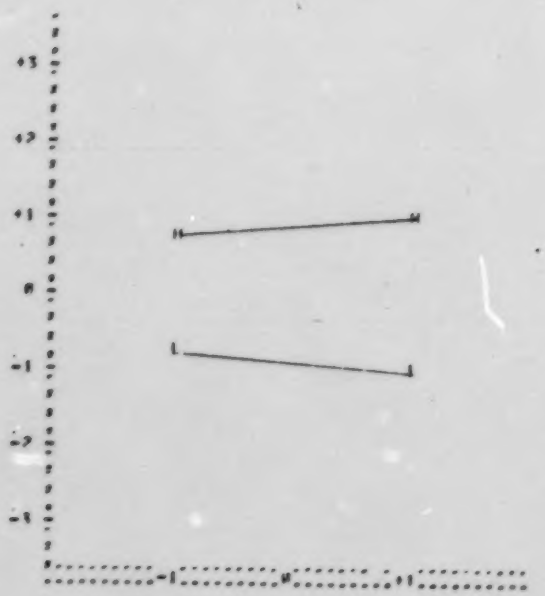
           DIFFERENCE =   .0002   P =   .8141

        MODEL 3. ACH = CAT                  R2 =   .7900

        BETA FOR CB IN MODEL 2 =   .0142

        HI CB =    1.8645   LO CB =     .8941

        EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
           LO CAT, LO CB =    -.7750
           LO CAT, HI CB =   -1.0151
           HI CAT, LO CB =     .7565
           HI CAT, HI CB =    1.0870
```



Rules and procedures differ among classes as follows:

MINOR VARIATIONS IN STRICTNESS WITH VARIOUS CLASSES

```
CR VARIABLE  9      ID = 07109
NUMBER OF VALID SCORES =    22

MODEL 1: ACH = CAT + CR + CAT*CR   R2 =   .8514

   DIFFERENCE =   .0008   P =   .9097

MODEL 2: ACH = CAT + CR            R2 =   .8514

   DIFFERENCE =   .0107   P =   .2549

MODEL 3: ACH = CAT                 R2 =   .8407

BETA FOR CR IN MODEL 2 =  -.1856

HI CR =    1.5675   LO CR =     .7961

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CR =    -.7914
   LO CAT, HI CR =   -1.0039
   HI CAT, LO CR =    1.0026
   HI CAT, HI CR =     .7901
```

CLASS STRUCTURE IS DETERMINED BY ABILITY LEVEL

```
CR VARIABLE 10      ID = 07110
NUMBER OF VALID SCORES =    22

MODEL 1: ACH = CAT + CR + CAT*CR   R2 =   .8679

   DIFFERENCE =   .0137   P =   .1063

MODEL 2: ACH = CAT + CR            R2 =   .8542

   DIFFERENCE =   .0135   P =   .1976

MODEL 3: ACH = CAT                 R2 =   .8407

BETA FOR CR IN MODEL 2 =   .1252

HI CR =    1.7181   LO CR =     .8279

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CR =    -.8648
   LO CAT, HI CR =   -1.0806
   HI CAT, LO CR =     .6491
   HI CAT, HI CR =    1.0633
```

CLASS STRUCTURE IS DETERMINED BY STUDENT BEHAVIOR, RESPONSIBILITY

```
CR VARIABLE 11      ID = 07111
NUMBER OF VALID SCORES =    22

MODEL 1: ACH = CAT + CR + CAT*CR   R2 =   .8854

   DIFFERENCE =   .0017   P =   .6131

MODEL 2: ACH = CAT + CR            R2 =   .8836

   DIFFERENCE =   .0429   P =   .0152

MODEL 3: ACH = CAT                 R2 =   .8407

BETA FOR CR IN MODEL 2 =  -.2121

HI CR =    1.9525   LO CR =     .9566

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CR =    -.7746
   LO CAT, HI CR =   -1.0980
   HI CAT, LO CR =    1.2075
   HI CAT, HI CR =     .6986
```

DIFFER IN TERMS OF ACADEMIC EXPECTATIONS FOR STUDENTS

CR VARIABLE 12 ID = W7112
NUMBER OF VALID SCORES = 72

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8844

DIFFERENCE = .0338 P = .8341

MODEL 2: ACH = CAT + CR R2 = .8514

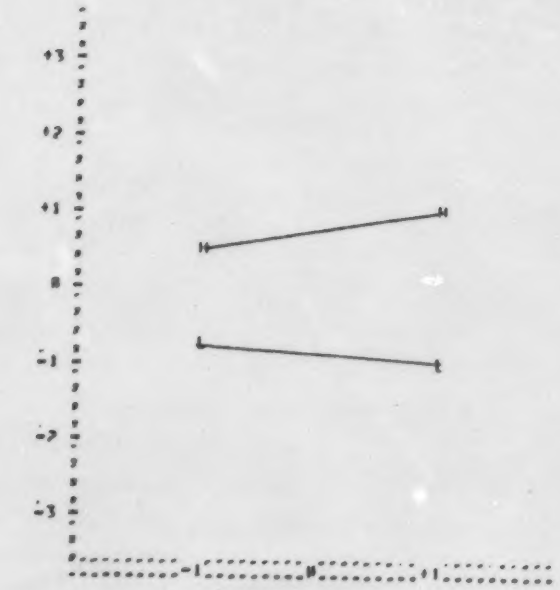
DIFFERENCE = .0107 P = .2555

MODEL 3: ACH = CAT R2 = .8407

BETA FOR CR IN MODEL 2 = .1069

HI CR = 1.8447 LO CR = .8826

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8356
LO CAT, HI CR = -1.8652
HI CAT, LO CR = .5865
HI CAT, HI CR = 1.1229



Teacher organizes classroom at beginning of year by:

ASSIGNING SEATS

CR VARIABLE 13 ID = W7113
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7968

DIFFERENCE = .0072 P = .1784

MODEL 2: ACH = CAT + CR R2 = .7896

DIFFERENCE = .0008 P = .6546

MODEL 3: ACH = CAT R2 = .7888

BETA FOR CR IN MODEL 2 = -.0289

HI CR = 1.9164 LO CR = .7978

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7499
LO CAT, HI CR = -1.0978
HI CAT, LO CR = .7311
HI CAT, HI CR = 1.2885

BEING STRICT, STERN AT FIRST; STAY DISTANT, LOOSEN UP LATER

CR VARIABLE 14 ID = W7114

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7913

DIFFERENCE = .0001 P = .8537

MODEL 2: ACH = CAT + CR R2 = .7911

DIFFERENCE = .0012 P = .5045

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0348

HI CR = 1.9856 LO CR = .9510

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8501
LO CAT, HI CR = -.9448
HI CAT, LO CR = .9181
HI CAT, HI CR = .8793

BY USING VISUAL AIDS PASS OUT OR POST RULES; HAVE KIDS COPY THEM

CR VARIABLE 15 ID = 07115

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8206

DIFFERENCE = .0006 P = .4697

MODEL 2: ACH = CAT + CR R2 = .8200

DIFFERENCE = .0380 P = .0040

MODEL 3: ACH = CAT R2 = .7980

BETA FOR CR IN MODEL 2 = .1771

HI CR = 1.7730 LO CR = .8477

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0682
LO CAT, HI CR = -.6552
HI CAT, LO CR = .7122
HI CAT, HI CR = 1.0230

ENFORCING RULES; DONT HESITATE TO PUNISH, MAKE EXAMPLE OF KID

CR VARIABLE 16 ID = 07116

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8078

DIFFERENCE = .0090 P = .1140

MODEL 2: ACH = CAT + CR R2 = .7988

DIFFERENCE = .0000 P = .1219

MODEL 3: ACH = CAT R2 = .7988

BETA FOR CR IN MODEL 2 = .0943

HI CR = 1.5582 LO CR = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8585
LO CAT, HI CR = -1.0127
HI CAT, LO CR = .6943
HI CAT, HI CR = 1.1298

USING STUDENT INPUT TO ESTABLISH AND ENFORCE RULES

CR VARIABLE 17 ID = 07117

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7981

DIFFERENCE = .0001 P = .1421

MODEL 2: ACH = CAT + CR R2 = .7980

DIFFERENCE = .0000 P = .9387

MODEL 3: ACH = CAT R2 = .7980

BETA FOR CR IN MODEL 2 = .0000

HI CR = 1.5582 LO CR = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0206
LO CAT, HI CR = -.8519
HI CAT, LO CR = 1.0209
HI CAT, HI CR = .9144

ANNOUNCING RULES, AND THE CONSEQUENCES OF BREAKING THEM

CR VARIABLE 18 ID = 07118

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7951

DIFFERENCE = .0049 P = .2414

MODEL 2: ACH = CAT + CR R2 = .7902

DIFFERENCE = .0002 P = .8831

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0152

HI CR = 2.0787 LO CR = 1.0917

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8725
LO CAT, HI CR = -.9937
HI CAT, LO CR = .8561
HI CAT, HI CR = 1.0516

TELLING EXPECTATIONS; RAP SESSIONS; LOW-KEY DISCUSSION WITH STUDENTS

CR VARIABLE 19 ID = B7119

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7970

DIFFERENCE = .0065 P = .1895

MODEL 2: ACH = CAT + CR R2 = .7904

DIFFERENCE = .0005 P = .7279

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0218

HI CR = 1.6128 LO CR = .8018

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9875
LO CAT, HI CR = -.8875
HI CAT, LO CR = 1.0380
HI CAT, HI CR = .8726

OTHER METHODS TO ORGANIZE CLASSROOM CONTROL AT FIRST OF YEAR

CR VARIABLE 21 ID = B7121

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8008

DIFFERENCE = .0096 P = .1078

MODEL 2: ACH = CAT + CR R2 = .7911

DIFFERENCE = .0012 P = .5880

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0347

HI CR = 1.7730 LO CR = .8477

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7679
LO CAT, HI CR = -1.0471
HI CAT, LO CR = .8388
HI CAT, HI CR = 1.0780

BUILDING STRUCTURE GRADUALLY, INFORMALLY; NO FORMAL PRESENTATION

CR VARIABLE 20 ID = B7120

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7961

DIFFERENCE = .0001 P = .8574

MODEL 2: ACH = CAT + CR R2 = .7960

DIFFERENCE = .0060 P = .2857

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0780

HI CR = 1.2169 LO CR = .8520

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7958
LO CAT, HI CR = -.9669
HI CAT, LO CR = .9356
HI CAT, HI CR = .8337

BELIEVES CLASSROOM CONTROL METHODS HAVE BEEN SUCCESSFUL

CR VARIABLE 22 ID = B7122

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7912

DIFFERENCE = .0011 P = .6859

MODEL 2: ACH = CAT + CR R2 = .7901

DIFFERENCE = .0001 P = .8966

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0116

HI CR = 1.2077 LO CR = 1.7578

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9886
LO CAT, HI CR = -.8516
HI CAT, LO CR = .9838
HI CAT, HI CR = .8648

Other control methods teachers might try:

OTHER CONTROL METHODS SHE MIGHT TRY; NONE, SATISFIED WITH PRESENT SYSTEM

```
CR VARIABLE 23      ID = 07123
NUMBER OF VALID SCORES =    54

MODEL 1: ACH = CAT + CR + CAT*CR    R2 =   .8815

   DIFFERENCE =   .0044   P =   .3889

MODEL 2: ACH = CAT + CR             R2 =   .7971

   DIFFERENCE =   .0003   P =   .7868

MODEL 3: ACH = CAT                  R2 =   .7968

BETA FOR CR IN MODEL 2 =   .0171

HI CR =    1.9413   LO CR =     .9475

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CR =   -1.0189
   LO CAT, HI CR =    -.8349
   HI CAT, LO CR =    1.0049
   HI CAT, HI CR =     .8828
```

MIGHT TRY REALITY THERAPY, BEHAVIOR CONTRACTS, BEHAVIOR MOD

```
CR VARIABLE 25      ID = 07125
NUMBER OF VALID SCORES =    54

MODEL 1: ACH = CAT + CR + CAT*CR    R2 =   .8048

   DIFFERENCE =   .0037   P =   .3489

MODEL 2: ACH = CAT + CR             R2 =   .8003

   DIFFERENCE =   .0035   P =   .3528

MODEL 3: ACH = CAT                  R2 =   .7968

BETA FOR CR IN MODEL 2 =  -.0598

HI CR =    1.6588   LO CR =     .8865

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CR =    -.7743
   LO CAT, HI CR =   -1.0086
   HI CAT, LO CR =     .8888
   HI CAT, HI CR =     .9887
```

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MIGHT TRY FIRMER, STRICTER ENFORCEMENT; BE MORE CONSISTENT, FOLLOW THROUGH

```
CR VARIABLE 24      ID = 07124
NUMBER OF VALID SCORES =    54

MODEL 1: ACH = CAT + CR + CAT*CR    R2 =   .8075

   DIFFERENCE =   .0019   P =   .6968

MODEL 2: ACH = CAT + CR             R2 =   .8016

   DIFFERENCE =   .0048   P =   .2718

MODEL 3: ACH = CAT                  R2 =   .7968

BETA FOR CR IN MODEL 2 =  -.0694

HI CR =    1.5736   LO CR =     .7967

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CR =    -.8743
   LO CAT, HI CR =    -.8727
   HI CAT, LO CR =    1.0008
   HI CAT, HI CR =     .7975
```

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TRY LETTING STUDENTS HELP MAKE, ENFORCE RULES, PUNISHMENTS

```
CR VARIABLE 26      ID = 07126
NUMBER OF VALID SCORES =    54

MODEL 1: ACH = CAT + CR + CAT*CR    R2 =   .8182

   DIFFERENCE =   .0025   P =   .4164

MODEL 2: ACH = CAT + CR             R2 =   .8157

   DIFFERENCE =   .0189   P =   .0249

MODEL 3: ACH = CAT                  R2 =   .7968

BETA FOR CR IN MODEL 2 =  -.1387

HI CR =    1.9254   LO CR =     .7968

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CR =    -.6926
   LO CAT, HI CR =   -1.0855
   HI CAT, LO CR =     .9857
   HI CAT, HI CR =     .8614
```

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OTHER: OPEN TO NEW IDEAS; MORE PARENT CONTACT; GROUPING

CR VARIABLE 27 ID # 07127
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8227

DIFFERENCE = .0001 P = .8547

MODEL 2: ACH = CAT + CR R2 = .8226

DIFFERENCE = .0258 P = .0087

MODEL 3: ACH = CAT R2 = .7968

BETA FOR CR IN MODEL 2 = .1619

HI CR = 1.6975 LO CR = .8218

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0672
LO CAT, HI CR = -.7785
HI CAT, LO CR = .7489
HI CAT, HI CR = 1.1053

STUDENTS CAN MOVE TO ANOTHER SEAT IF THEY WANT

CR VARIABLE 28 ID # 07128
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7824

DIFFERENCE = .0027 P = .4589

MODEL 2: ACH = CAT + CR R2 = .7796

DIFFERENCE = .0124 P = .0498

MODEL 3: ACH = CAT R2 = .7678

BETA FOR CR IN MODEL 2 = -.1131

HI CR = 1.1022 LO CR = 1.0169

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9111
LO CAT, HI CR = -.9116
HI CAT, LO CR = 1.0374
HI CAT, HI CR = .4531

Pros and cons of fixed vs. flexible seating:

TALKING IS A PROBLEM W/FLEXIBLE SEATS; FIXED SEATS STOPS THIS

CR VARIABLE 29 ID # 07129
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7898

DIFFERENCE = .0000 P = 1.0000

MODEL 2: ACH = CAT + CR R2 = .7898

DIFFERENCE = .0117 P = .0083

MODEL 3: ACH = CAT R2 = .7781

BETA FOR CR IN MODEL 2 = -.1086

HI CR = 2.0349 LO CR = 1.0370

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7629
LO CAT, HI CR = -.9881
HI CAT, LO CR = .9881
HI CAT, HI CR = .7629

CONFUSION, DISRUPTION RESULTS FROM FLEXIBLE SEATS; FIXED CONTROLS THIS

CR VARIABLE 30 ID # 07130
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7833

DIFFERENCE = .0001 P = .9083

MODEL 2: ACH = CAT + CR R2 = .7833

DIFFERENCE = .0052 P = .2439

MODEL 3: ACH = CAT R2 = .7781

BETA FOR CR IN MODEL 2 = .0725

HI CR = 1.5614 LO CR = .7956

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9535
LO CAT, HI CR = -.8554
HI CAT, LO CR = .8455
HI CAT, HI CR = .9874

CONTROL, DISCIPLINE HARDER W/FLEXIBLE SEATS; EASIER W/FIXED SEATS

CR VARIABLE 31 ID = 07131
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7817

DIFFERENCE = .0036 P = .2483

MODEL 2: ACH = CAT + CR R2 = .7781

DIFFERENCE = .0000 P = .9627

MODEL 3: ACH = CAT R2 = .7781

BETA FOR CR IN MODEL 2 = -.0038

HI CR = 1.6246 LO LR = .8848

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9985
LO CAT, HI CR = -.8675
HI CAT, LO CR = 1.0210
HI CAT, HI CR = .8900

BUDDY: TEACHER HAS MORE TROUBLE W/FLEXIBLE SEATS; FIXED EASIER FOR HER

CR VARIABLE 33 ID = 07133
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7841

DIFFERENCE = .0060 P = .2389

MODEL 2: ACH = CAT + CR R2 = .7781

DIFFERENCE = .0000 P = .9759

MODEL 3: ACH = CAT R2 = .7781

BETA FOR CR IN MODEL 2 = -.0019

HI CR = 1.6246 LO LR = .8848

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9960
LO CAT, HI CR = -.8422
HI CAT, LO CR = 1.0186
HI CAT, HI CR = .8923

LEARNING NAMES, CALLING ROLL HARDER W/FLEX; BETTER ORGANIZATION W/FIXED

CR VARIABLE 32 ID = 07132
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7867

DIFFERENCE = .0013 P = .5908

MODEL 2: ACH = CAT + CR R2 = .7854

DIFFERENCE = .0056 P = .2542

MODEL 3: ACH = CAT R2 = .7781

BETA FOR CR IN MODEL 2 = .0112

HI CR = 1.7375 LO LR = .8348

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9228
LO CAT, HI CR = -.8582
HI CAT, LO CR = .7763
HI CAT, HI CR = 1.0018

STUDENTS HAPPY, COMFORTABLE W/FLEXIBLE; FEEL STIFLED, BORED W/FIXED SEATS

CR VARIABLE 34 ID = 07134
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8036

DIFFERENCE = .0014 P = .5693

MODEL 2: ACH = CAT + CR R2 = .8022

DIFFERENCE = .0241 P = .0111

MODEL 3: ACH = CAT R2 = .7781

BETA FOR CR IN MODEL 2 = .1558

HI CR = 1.8361 LO LR = .8788

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0697
LO CAT, HI CR = -.8708
HI CAT, LO CR = .7588
HI CAT, HI CR = .9775

CLIQUES FORM W/FLEXIBLE SEATS; FIXED BREAKS THEM UP

CR VARIABLE 35 ID = 07135
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7813

DIFFERENCE = .0008 P = .6698

MODEL 2: ACH = CAT + CR R2 = .7805

DIFFERENCE = .0024 P = .4525

MODEL 3: ACH = CAT R2 = .7781

BETA FOR CR IN MODEL 2 = .0531

HI CR = 1.4928 LO CR = .7929

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9560
LO CAT, HI CR = -.7873
HI CAT, LO CR = .8457
HI CAT, HI CR = .9289

OTHER PROs AND CONS OF FLEXIBLE AND FIXED SEATS

CR VARIABLE 36 ID = 07136
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7833

DIFFERENCE = .0007 P = .6791

MODEL 2: ACH = CAT + CR R2 = .7826

DIFFERENCE = .0045 P = .2997

MODEL 3: ACH = CAT R2 = .7781

BETA FOR CR IN MODEL 2 = -.0679

HI CR = 1.3290 LO CR = .8139

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8258
LO CAT, HI CR = -.9127
HI CAT, LO CR = 1.0006
HI CAT, HI CR = .7067

RELIEVES MAXIMAL LEARNING OCCURS WITH FIXED SEATS

CR VARIABLE 37 ID = 07137
NUMBER OF VALID SCORES = 34

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8523

DIFFERENCE = .0018 P = .4597

MODEL 2: ACH = CAT + CR R2 = .8513

DIFFERENCE = .0455 P = .0045

MODEL 3: ACH = CAT R2 = .8058

BETA FOR CR IN MODEL 2 = .2524

HI CR = 1.7494 LO CR = .8385

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0578
LO CAT, HI CR = -.8742
HI CAT, LO CR = .5797
HI CAT, HI CR = 1.0258

RELIEVES PERSONAL DEVELOPMENT, PEER RELATION FAVOR FIXED SEATS

CR VARIABLE 38 ID = 07138
NUMBER OF VALID SCORES = 28

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7485

DIFFERENCE = .0238 P = .2430

MODEL 2: ACH = CAT + CR R2 = .7255

DIFFERENCE = .0019 P = .7342

MODEL 3: ACH = CAT R2 = .7236

BETA FOR CR IN MODEL 2 = -.0438

HI CR = 1.6000 LO CR = .8000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.6311
LO CAT, HI CR = -.9681
HI CAT, LO CR = .7171
HI CAT, HI CR = .8978

Teacher provides the following for substitute teachers:

SUBSTITUTE GETS LESSON PLANS, REGULARY SCHEDULED MATERIAL, ASSIGNMENT

CR VARIABLE 39 ID = 07139

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8167

DIFFERENCE = .0037 P = .3449

MODEL 2: ACH = CAT + CR R2 = .8130

DIFFERENCE = .0231 P = .0113

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .1593

HI CR = 1.9456 LO CR = .9510

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0646
LO CAT, HI CR = -.4222
HI CAT, LO CR = .7898
HI CAT, HI CR = .9741

GETS GENERAL INFORMATION: RULES, BELL SCHEDULE, MATERIALS, FORMS

CR VARIABLE 41 ID = 07141

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7995

DIFFERENCE = .0009 P = .6329

MODEL 2: ACH = CAT + CR R2 = .7986

DIFFERENCE = .0086 P = .1264

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0932

HI CR = 1.6693 LO CR = .8135

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0046
LO CAT, HI CR = -.7387
HI CAT, LO CR = .8162
HI CAT, HI CR = .9569

GETS SPECIAL LESSON PLANS DRILL, BUSY WORK, REVIEW, TEST, READING ASSIGN.

CR VARIABLE 40 ID = 07140

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7960

DIFFERENCE = .0004 P = .7544

MODEL 2: ACH = CAT + CR R2 = .7956

DIFFERENCE = .0057 P = .2195

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0754

HI CR = 2.1523 LO CR = 1.2270

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8586
LO CAT, HI CR = -.9589
HI CAT, LO CR = 1.0858
HI CAT, HI CR = .7998

GETS SEATING CHART, CLASS ROLL

CR VARIABLE 42 ID = 07142

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8013

DIFFERENCE = .0085 P = .7119

MODEL 2: ACH = CAT + CR R2 = .8008

DIFFERENCE = .0108 P = .0861

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .1048

HI CR = 1.9456 LO CR = .9510

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9819
LO CAT, HI CR = -.8257
HI CAT, LO CR = .7743
HI CAT, HI CR = 1.0571

GETS NOTES ON RELIABLE AND PROBLEM STUDENTS

CR VARIABLE 43 ID = 07143

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7943

DIFFERENCE = .0004 P = .7413

MODEL 2: ACH = CAT + CR R2 = .7939

DIFFERENCE = .0839 P = .3122

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0645

HI CR = 1.9856 LO CR = .9518

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8632
LO CAT, HI CR = -.9513
HI CAT, LO CR = 1.0044
HI CAT, HI CR = .8388

MENTIONS LIMITATIONS OF SUBS; WONT LET THEM DO SOME THINGS

CR VARIABLE 44 ID = 07144

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8228

DIFFERENCE = .0002 P = .7987

MODEL 2: ACH = CAT + CR R2 = .8226

DIFFERENCE = .0327 P = .0027

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.1813

HI CR = 1.6128 LO CR = .8818

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.6777
LO CAT, HI CR = -1.0914
HI CAT, LO CR = 1.0564
HI CAT, HI CR = .7422

OTHER THINGS PREPARED FOR SUBSTITUTE TEACHERS PUZZLES, GAMES, ETC.

CR VARIABLE 45 ID = 07145

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7958

DIFFERENCE = .0032 P = .3617

MODEL 2: ACH = CAT + CR R2 = .7926

DIFFERENCE = .0026 P = .4185

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0517

HI CR = 1.6128 LO CR = .8818

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8932
LO CAT, HI CR = -.9542
HI CAT, LO CR = .7743
HI CAT, HI CR = 1.0861

TEACHER HAS PROBLEM W/STUDENTS HAVING HANDS, BLURTING OUT ANSWERS

CR VARIABLE 46 ID = 07146

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .[illegible]87

DIFFERENCE = .0027 P = .3684

MODEL 2: ACH = CAT + CR R2 = .8220

DIFFERENCE = .0320 P = .0030

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.1898

HI CR = 3.1817 LO CR = 1.3781

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.5988
LO CAT, HI CR = -1.0760
HI CAT, LO CR = 1.0048
HI CAT, HI CR = .7987

Teacher handles hand-waving and blurting out answers by:

REPRIMAND, RESPOND NEGATIVELY, NON-VERBAL INTERVENTION

CR VARIABLE 47 ID = 07147

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7964

DIFFERENCE = .0003 P = .7836

MODEL 2: ACH = CAT + CR R2 = .7962

DIFFERENCE = .0862 P = .1983

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0794

HI CR = 1.7228 LO CR = .8289

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8159
LO CAT, HI CR = -.9390
HI CAT, LO CR = .9739
HI CAT, HI CR = .7693

TELLING THEM TO RAISE HAND, TO STOP, WAIT, TAKE TURNS

CR VARIABLE 48 ID = 07148

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7997

DIFFERENCE = .0060 P = .1788

MODEL 2: ACH = CAT + CR R2 = .7930

DIFFERENCE = .0030 P = .3080

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0548

HI CR = 1.8645 LO CR = .8941

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8878
LO CAT, HI CR = -1.0038
HI CAT, LO CR = .7781
HI CAT, HI CR = 1.1319

EMPHASIZING GOOD MANNERS, RESPECT OTHERS; GIVE OTHERS A CHANCE

CR VARIABLE 49 ID = 07149

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7978

DIFFERENCE = .0055 P = .2293

MODEL 2: ACH = CAT + CR R2 = .7915

DIFFERENCE = .0015 P = .5326

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0406

HI CR = 1.5502 LO CR = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7835
LO CAT, HI CR = -.9865
HI CAT, LO CR = .8034
HI CAT, HI CR = 1.0856

IGNORING CALLED-OUT ANSWERS

CR VARIABLE 50 ID = 07150

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7915

DIFFERENCE = .0005 P = .7204

MODEL 2: ACH = CAT + CR R2 = .7910

DIFFERENCE = .0011 P = .6057

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0327

HI CR = 1.3224 LO CR = .8156

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8251
LO CAT, HI CR = -.9687
HI CAT, LO CR = .8662
HI CAT, HI CR = .9581

SOMETIMES NOT CONSIDERED PROBLEM, INDICATES ENTHUSIASM, WHICH IS NICE

CR VARIABLE 51 ID = 07151

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7989

DIFFERENCE = .0008 P = .6576

MODEL 2: ACH = CAT + CR R2 = .7981

DIFFERENCE = .0002 P = .8369

MODEL 3: ACH = CAT R2 = .7980

BETA FOR CR IN MODEL 2 = -.0126

HI CR = 1.5502 LO CR = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8386
LO CAT, HI CR = -.9859
HI CAT, LO CR = .8822
HI CAT, HI CR = .9861

NOT CONSIDERED A PROBLEM, OR DOESNT DEAL WITH IT; ACCEPTS ANSWER

CR VARIABLE 52 ID = 07152

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8061

DIFFERENCE = .0099 P = .0992

MODEL 2: ACH = CAT + CR R2 = .7963

DIFFERENCE = .0063 P = .1948

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0849

HI CR = 1.5502 LO CR = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9776
LO CAT, HI CR = -.9351
HI CAT, LO CR = 1.1523
HI CAT, HI CR = .8739

OTHER WAYS TO HANDLE CALLED-OUT ANSWERS

CR VARIABLE 55 ID = 07155

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7915

DIFFERENCE = .0014 P = .5629

MODEL 2: ACH = CAT + CR R2 = .7901

DIFFERENCE = .0002 P = .8234

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0136

HI CR = 1.7730 LO CR = .8477

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9263
LO CAT, HI CR = -.8885
HI CAT, LO CR = .9626
HI CAT, HI CR = .8692

Teacher deals with students who never volunteer by:

CALLING ON THEM; USING PATTERNED TURNS

CR VARIABLE 54 ID = 87154

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8187

DIFFERENCE = .0216 P = .0134

MODEL 2: ACH = CAT + CR R2 = .7971

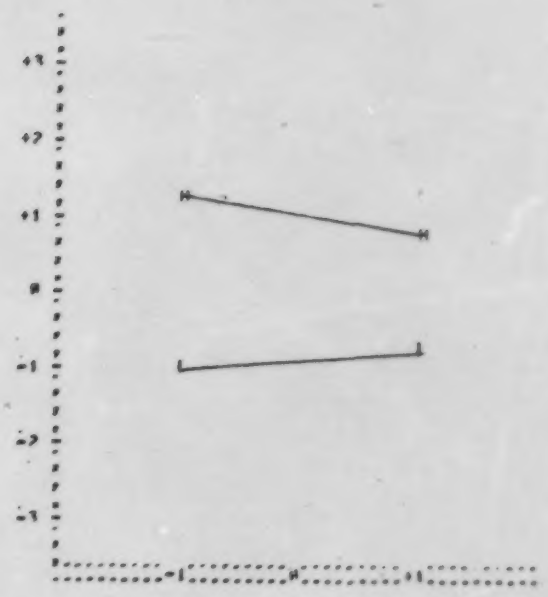
DIFFERENCE = .0871 P = .1665

MODEL 3: ACH = CAT R2 = .7908

BETA FOR CR IN MODEL 2 = -.0849

HI CR = 2.8169 LO LR = 1.8175

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9977
LO CAT, HI CR = -.8646
HI CAT, LO CR = 1.2121
HI CAT, HI CR = .7148



CALLING ON THEM IF SURE THEY KNOW; ASK EASY Q. TO AVOID EMBARRASSMENT

CR VARIABLE 55 ID = 87155

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8060

DIFFERENCE = .0154 P = .0407

MODEL 2: ACH = CAT + CR R2 = .7906

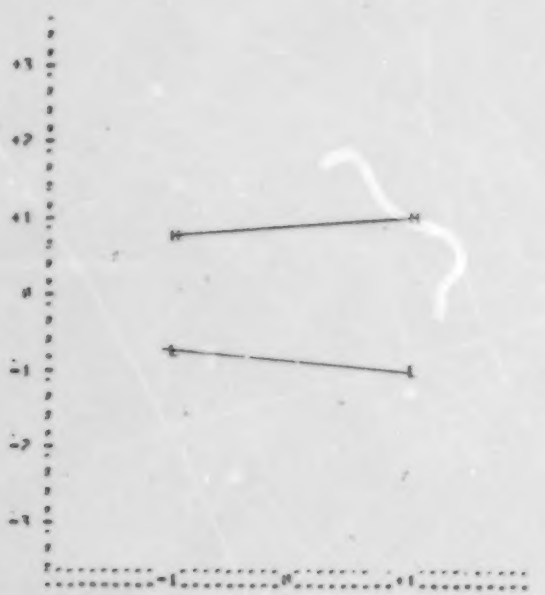
DIFFERENCE = .0006 P = .6855

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0254

HI CR = 1.7738 LO LR = .8477

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8410
LO CAT, HI CR = -1.0502
HI CAT, LO CR = .7526
HI CAT, HI CR = 1.0753



LEAVING THEM ALONE, ESPECIALLY IF TIRED, SHY; JUST GRADE WRITTEN WORK

CR VARIABLE 56 ID = 07156

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7908

DIFFERENCE = .0004 P = .7629

MODEL 2: ACH = CAT + CR R2 = .7904

DIFFERENCE = .0005 P = .7257

MODEL 3: ACH = CAT R2 = .7908

BETA FOR CR IN MODEL 2 = -.0219

HI CR = 1.6120 LO CR = .0018

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.0015
LO CAT, HI CR = -.0007
HI CAT, LO CR = .9286
HI CAT, HI CR = .0280

DRAWING THEM OUT; MORE ATTENTION; PRIVATE TALK; ASKING OPINION

CR VARIABLE 57 ID = 07157

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7965

DIFFERENCE = .0051 P = .2991

MODEL 2: ACH = CAT + CR R2 = .7914

DIFFERENCE = .0015 P = .5485

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0386

HI CR = 1.6120 LO CR = .0018

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7792
LO CAT, HI CR = -1.0501
HI CAT, LO CR = .0082
HI CAT, HI CR = 1.0010

OTHERS PUT WITH A SMART KID; PRAISE CORRECT PARTS OF ANSWERS

CR VARIABLE 58 ID = 07158

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8015

DIFFERENCE = .0115 P = .0768

MODEL 2: ACH = CAT + CR R2 = .7900

DIFFERENCE = .0000 P = .9141

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0864

HI CR = 1.3224 LO CR = .0156

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.4275
LO CAT, HI CR = -1.3178
HI CAT, LO CR = .4125
HI CAT, HI CR = 1.3338

If a student won't respond:

GO ON TO ANOTHER ANSWER

CR VARIABLE 59 ID = 07159

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8123

DIFFERENCE = .0214 P = .0155

MODEL 2: ACH = CAT + CR R2 = .7909

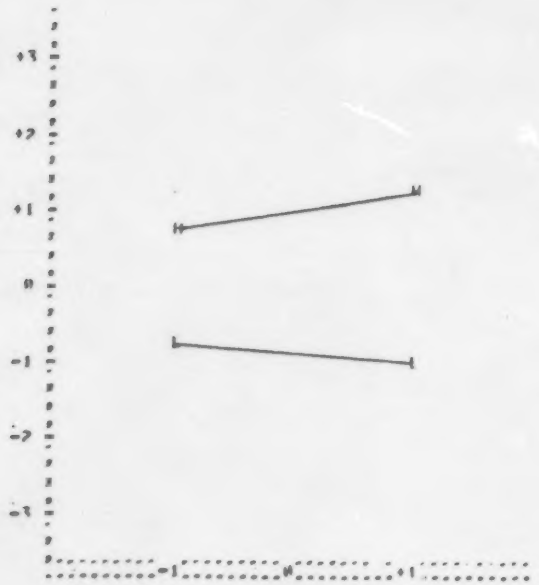
DIFFERENCE = .0089 P = .6285

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .8306

HI CR = 1.4888 LO CR = .7989

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7824
LO CAT, HI CR = -1.0468
HI CAT, LO CR = .6491
HI CAT, HI CR = 1.2681



GO ON TO ANOTHER, BUT CONTACT LATER FOR PRIVATE CONFERENCE

CR VARIABLE 60 ID = 07160

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7908

DIFFERENCE = .0008 P = .9498

MODEL 2: ACH = CAT + CR R2 = .7900

DIFFERENCE = .0000 P = .9677

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0025

HI CR = 1.4888 LO CR = .7989

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8930
LO CAT, HI CR = -.8889
HI CAT, LO CR = .8908
HI CAT, HI CR = .8925

HAVE A PRIVATE CONFERENCE TO DISCUSS THE PROBLEM

CR VARIABLE 61 ID = 07161

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8178

DIFFERENCE = .0129 P = .0525

MODEL 2: ACH = CAT + CR R2 = .8049

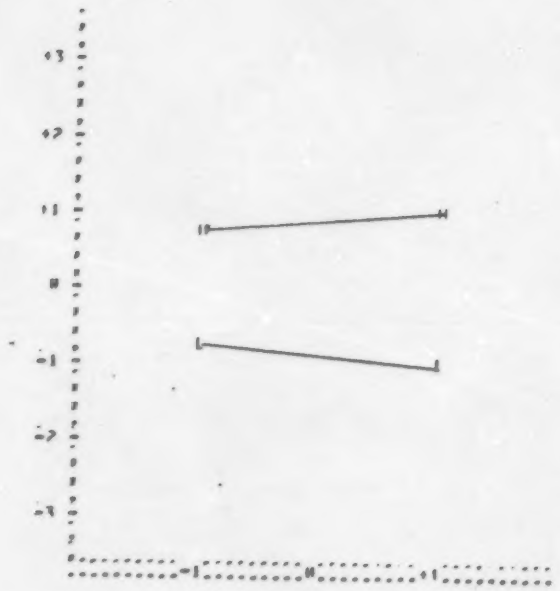
DIFFERENCE = .0149 P = .0025

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.1251

HI CR = 1.6120 LO CR = .8818

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.6857
LO CAT, HI CR = -1.1019
HI CAT, LO CR = .8437
HI CAT, HI CR = 1.0461



EVENTUALLY IGNORE, LEAVE ALONE, AFTER OTHER STRATEGIES FAIL

CR VARIABLE 62 ID = 07162

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8306

DIFFERENCE = .0050 P = .2077

MODEL 2: ACH = CAT + CR R2 = .8255

DIFFERENCE = .0356 P = .0018

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .1897

HI CR = 1.0080 LO CR = .7989

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0102
LO CAT, HI CR = -.8151
HI CAT, LO CR = .6056
HI CAT, HI CR = 1.2093

REPEAT, REPHRASE; GIVE TIME TO THINK; ASK LEADING QUESTION; STICK W/HIM

CR VARIABLE 63 ID = 07163

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7985

DIFFERENCE = .0014 P = .5921

MODEL 2: ACH = CAT + CR R2 = .7971

DIFFERENCE = .0071 P = .1662

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0858

HI CR = 1.9456 LO CR = .9510

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0120
LO CAT, HI CR = -.7651
HI CAT, LO CR = .8597
HI CAT, HI CR = .9869

AVOID EMBARASSING STUDENT; PUT HIM AT EASE

CR VARIABLE 64 ID = #7164

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7915

DIFFERENCE = .0005 P = .7284

MODEL 2: ACH = CAT + CR R2 = .7910

DIFFERENCE = .0011 P = .6057

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0327

HI CR = 1.3224 LO CR = .8156

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8251
LO CAT, HI CR = -.9607
HI CAT, LO CR = .8662
HI CAT, HI CR = .9381

NOT A PROBLEM, RARELY HAPPENS

CR VARIABLE 65 ID = #7165

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7994

DIFFERENCE = .0030 P = .3774

MODEL 2: ACH = CAT + CR R2 = .7964

DIFFERENCE = .0064 P = .1898

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0941

HI CR = 1.8665 LO CR = .8941

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0038
LO CAT, HI CR = -.6985
HI CAT, LO CR = .8964
HI CAT, HI CR = .9598

OTHERS REFER TO COUNSELOR, OFFICE; PUT ON INDIVIDUAL WORK, ETC.

CR VARIABLE 66 ID = #7166

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7908

DIFFERENCE = .0008 P = .6642

MODEL 2: ACH = CAT + CR R2 = .7900

DIFFERENCE = .0001 P = .8983

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0076

HI CR = 1.0828 LO CR = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9199
LO CAT, HI CR = -.8208
HI CAT, LO CR = .9178
HI CAT, HI CR = .7990

If a student is not paying attention:
CALL HIS NAME

CR VARIABLE 67 ID = #7167

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7932

DIFFERENCE = .0028 P = .3984

MODEL 2: ACH = CAT + CR R2 = .7904

DIFFERENCE = .0004 P = .7386

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0210

HI CR = 1.0480 LO CR = .7989

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9835
LO CAT, HI CR = -.8683
HI CAT, LO CR = .9180
HI CAT, HI CR = .9295

CALL ON HIM, ASK HIM A QUESTION

CR VARIABLE 68 ID = 07168

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8049

DIFFERENCE = .0041 P = .2940

MODEL 2: ACH = CAT + CR R2 = .8008

DIFFERENCE = .0109 P = .0047

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .1053

HI CR = 1.9863 LO CR = .9213

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0629
LO CAT, HI CR = -.7233
HI CAT, LO CR = .8707
HI CAT, HI CR = .9508

REPRIMAND, CALL DOWN, THREATEN, SCOLD, CRITICIZE, EMBARRASS, PUNISH

CR VARIABLE 69 ID = 07169

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8018

DIFFERENCE = .0102 P = .0975

MODEL 2: ACH = CAT + CR R2 = .7916

DIFFERENCE = .0018 P = .5259

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0485

HI CR = 1.9825 LO CR = .9831

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7884
LO CAT, HI CR = -1.1852
HI CAT, LO CR = .8769
HI CAT, HI CR = 1.0812

USE MANAGEMENT: TELL TO PAY ATTENTION, TO KNOCK IT OFF, TO GET TO WORK

CR VARIABLE 70 ID = 07170

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7913

DIFFERENCE = .0009 P = .6458

MODEL 2: ACH = CAT + CR R2 = .7904

DIFFERENCE = .0005 P = .7300

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0216

HI CR = 1.6128 LO CR = .8818

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8932
LO CAT, HI CR = -.8459
HI CAT, LO CR = .9491
HI CAT, HI CR = .7602

USE NON-VERBAL INTERVENTION

CR VARIABLE 71 ID = 07171

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8073

DIFFERENCE = .0009 P = .6162

MODEL 2: ACH = CAT + CR R2 = .8064

DIFFERENCE = .0164 P = .0310

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.1282

HI CR = 1.6128 LO CR = .8818

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7328
LO CAT, HI CR = -1.0598
HI CAT, LO CR = .9990
HI CAT, HI CR = .7994

TALK PRIVATELY, FIND OUT WHY; DISCUSS PROBLEM WITH THE STUDENT

CR VARIABLE 72 ID = 07172

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7931

DIFFERENCE = .0011 P = .6965

MODEL 2: ACH = CAT + CR R2 = .7921

DIFFERENCE = .0021 P = .4657

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0458

HI CR = 1.3229 LO CR = .8156

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7984
LO CAT, HI CR = -.9984
HI CAT, LO CR = .8898
HI CAT, HI CR = .9873

DO NOTHING, LEAVE ALONE, ESPECIALLY IF NON-DISRUPTIVE, TIRED, UPSET

CR VARIABLE 74 ID = 07174

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7961

DIFFERENCE = .0068 P = .2897

MODEL 2: ACH = CAT + CR R2 = .7901

DIFFERENCE = .0001 P = .8533

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0111

HI CR = 1.4828 LO CR = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7963
LO CAT, HI CR = -1.8512
HI CAT, LO CR = .8856
HI CAT, HI CR = .9949

SEEK OUTSIDE HELP: PARENT, COUNSELOR, OFFICE

CR VARIABLE 73 ID = 07173

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8056

DIFFERENCE = .0022 P = .4971

MODEL 2: ACH = CAT + CR R2 = .8034

DIFFERENCE = .0134 P = .0545

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.1161

HI CR = 1.4828 LO CR = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7319
LO CAT, HI CR = -1.8965
HI CAT, LO CR = .9315
HI CAT, HI CR = .8958

OTHER: VARY ACTIVITIES TO KEEP INTEREST; CALL CLASS TO ATTENTION, ETC.

CR VARIABLE 75 ID = 07175

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7983

DIFFERENCE = .0004 P = .7588

MODEL 2: ACH = CAT + CR R2 = .7979

DIFFERENCE = .0048 P = .1428

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0891

HI CR = 1.7730 LO CR = .8477

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9954
LO CAT, HI CR = -.7756
HI CAT, LO CR = .8167
HI CAT, HI CR = .9536

Teacher believes causes of alienation or lack of motivation are:

LANGUAGE, CULTURE, RACE, MINORITIES

CB VARIABLE 76 ID = 07176

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .7930

DIFFERENCE = .0043 P = .2918

MODEL 2. ACH = CAT + CB R2 = .7907

DIFFERENCE = .0008 P = .6428

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0274

HI CB = 1.6120 LO CB = .0018

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.9824
LO CAT, HI CB = -.7409
HI CAT, LO CB = .9264
HI CAT, HI CB = .8005

POOR SELF-CONCEPT, LACK OF CONFIDENCE, FEAR OF FAILURE

CB VARIABLE 78 ID = 07178

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .7911

DIFFERENCE = .0001 P = .8681

MODEL 2. ACH = CAT + CB R2 = .7910

DIFFERENCE = .0018 P = .6183

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0322

HI CB = 1.6693 LO CB = .0135

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.8417
LO CAT, HI CB = -.9735
HI CAT, LO CB = .9875
HI CAT, HI CB = .9034

CONSISTENT FAILURE, REPEATERS (OLDER STUDENTS)

CB VARIABLE 77 ID = 07177

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .7989

DIFFERENCE = .0088 P = .1268

MODEL 2. ACH = CAT + CB R2 = .7902

DIFFERENCE = .0002 P = .8125

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0194

HI CB = 1.9863 LO CB = .9215

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.7988
LO CAT, HI CB = -1.0088
HI CAT, LO CB = .8287
HI CAT, HI CB = 1.0166

LACK OF ABILITY OR BASIC SKILLS TOO FAR BEHIND; LOW ACHIEVERS

CB VARIABLE 79 ID = 07179

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .8008

DIFFERENCE = .0105 P = .0951

MODEL 2. ACH = CAT + CB R2 = .7903

DIFFERENCE = .0001 P = .7698

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0187

HI CB = 1.9829 LO CB = .9831

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.7772
LO CAT, HI CB = -1.0210
HI CAT, LO CB = .8892
HI CAT, HI CB = 1.0816

INAPPROPRIATE, IRRELEVANT MATERIALS

CR VARIABLE AW ID = 07188

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8043

DIFFERENCE = .0106 P = .0096

MODEL 2: ACH = CAT + CR R2 = .7938

DIFFERENCE = .0038 P = .3199

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0628

HI CR = 1.0088 LO CR = .7989

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9531
LO CAT, HI CR = -.7171
HI CAT, LO CR = 1.1096
HI CAT, HI CR = .3576

EMOTIONAL-PERSONAL ADJUSTMENT PROBLEMS; PHYSICAL DISABILITY, ETC.

CR VARIABLE AI ID = 07181

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8438

DIFFERENCE = .0109 P = .0549

MODEL 2: ACH = CAT + CR R2 = .8330

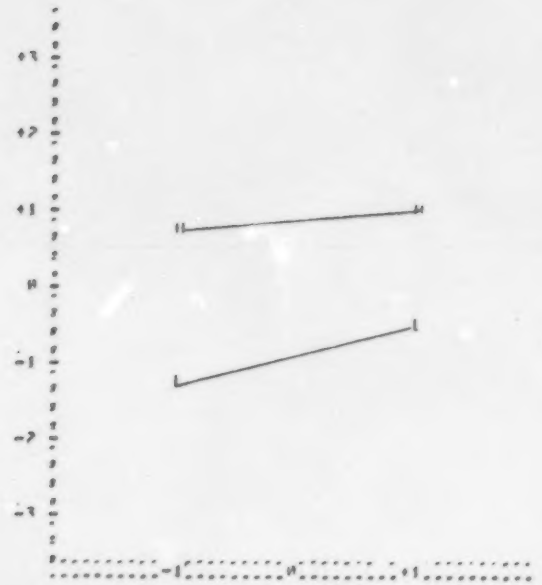
DIFFERENCE = .0438 P = .0007

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .2110

HI CR = 1.0201 LO CR = .8695

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.1096
LO CAT, HI CR = -.5566
HI CAT, LO CR = .7963
HI CAT, HI CR = 1.0249



HOME PROBLEMS, FAMILY FILE, HOME ENVIRONMENT

CR VARIABLE R2 ID = R7182

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7973

DIFFERENCE = .0022 P = .4518

MODEL 2. ACH = CAT + CR R2 = .7951

DIFFERENCE = .0051 P = .2445

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0746

HI CR = 2.0787 LO CR = 1.0937

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -1.0000
LO CAT, HI CR = -.7558
HI CAT, LO CR = .9132
HI CAT, HI CR = .9121

LACK OF PARENTAL INTEREST, ENCOURAGEMENT, OR GOOD EXAMPLE

CR VARIABLE R3 ID = R7183

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7975

DIFFERENCE = .0001 P = .8444

MODEL 2. ACH = CAT + CR R2 = .7974

DIFFERENCE = .0074 P = .1574

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0866

HI CR = 1.7228 LO CR = .0289

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.9731
LO CAT, HI CR = -.8275
HI CAT, LO CR = .7991
HI CAT, HI CR = 1.0876

PEER PROBLEMS, NO FRIENDS

CR VARIABLE R4 ID = R7184

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7948

DIFFERENCE = .0017 P = .5191

MODEL 2. ACH = CAT + CR R2 = .7931

DIFFERENCE = .0032 P = .3645

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0610

HI CR = 1.6120 LO CR = .8018

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.9050
LO CAT, HI CR = -.9304
HI CAT, LO CR = 1.0298
HI CAT, HI CR = .8696

SOCIAL INVOLVEMENT WITH PEERS, OPPOSITE SEX

CR VARIABLE R5 ID = R7185

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .8041

DIFFERENCE = .0073 P = .1597

MODEL 2. ACH = CAT + CR R2 = .7968

DIFFERENCE = .0069 P = .1749

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0831

HI CR = 1.5224 LO CR = .8156

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -1.0878
LO CAT, HI CR = -.6496
HI CAT, LO CR = .9915
HI CAT, HI CR = .6912

LACK OF INTEREST; DONT VALUE EDUCATION; BORED, DONT CARE

CB VARIABLE B6 ID = B7186

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .8050

DIFFERENCE = .0142 P = .0025

MODEL 2: ACH = CAT + CB R2 = .7908

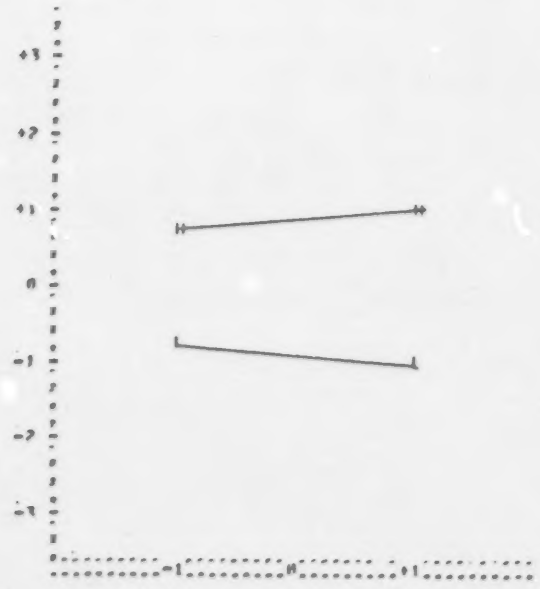
DIFFERENCE = .0000 P = .6530

MODEL 3: ACH = CAT , R2 = .7908

BETA FOR CB IN MODEL 2 = -.0281

HI CB = 1.5502 LO CB = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7498
LO CAT, HI CB = -1.0598
HI CAT, LO CB = .7937
HI CAT, HI CB = 1.0260



BEING ANTI-AUTHORITY, DISRUPTIVE; HATE TEACHER; BELLIGERENT

CB VARIABLE B7 ID = B7187

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .8081

DIFFERENCE = .0018 P = .4828

MODEL 2: ACH = CAT + CB R2 = .8063

DIFFERENCE = .0163 P = .0338

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .1279

HI CB = 1.5502 LO CB = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9886
LO CAT, HI CB = -.8282
HI CAT, LO CB = .7215
HI CAT, HI CB = 1.1963

TEACHERS FAULT; FAIL TO MOTIVATE; GIVE BAD SELF-IMAGE; NOT WORK W/THEM

CB VARIABLE B8 ID = B7188

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7927

DIFFERENCE = .0027 P = .4080

MODEL 2: ACH = CAT + CB R2 = .7900

DIFFERENCE = .0000 P = .9929

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0002

HI CB = 1.5502 LO CB = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8426
LO CAT, HI CB = -.9608
HI CAT, LO CB = .8173
HI CAT, HI CB = 1.0343

OTHER; DRUGS; ABSENCE; BUSING, ETC.

CR VARIABLE A9 ID = W7189

MODEL 1. ACH = CAT + CR + CATxCR R2 = .7972

DIFFERENCE = .0028 P = .1737

MODEL 2. ACH = CAT + CR R2 = .7902

DIFFERENCE = .0082 P = .0121

MODEL 3. ACH = CAT R2 = .7908

BETA FOR CR IN MODEL 2 = -.0145

HI CR = 1.9963 LO CR = .9213

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.8117
LO CAT, HI CR = -1.0304
HI CAT, LO CR = .8462
HI CAT, HI CR = 1.0521

If a student won't do his assignment:

NAG, THREATEN, FUSS, KEEP AT THEM, PRAISE

CR VARIABLE 90 ID = W7190

MODEL 1. ACH = CAT + CR + CATxCR R2 = .8211

DIFFERENCE = .0256 P = .0074

MODEL 2. ACH = CAT + CR R2 = .7954

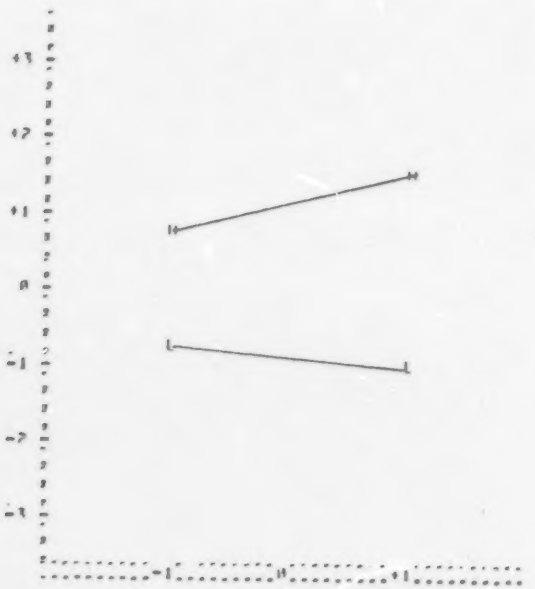
DIFFERENCE = .0055 P = .2293

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0758

HI CR = 1.6693 LO CR = .8135

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.8511
LO CAT, HI CR = -.9890
HI CAT, LO CR = .6503
HI CAT, HI CR = 1.3871



ADJUST MATERIALS, ACTIVITIES TO HIS ABILITY, INTEREST, BUILD FROM THERE

CR VARIABLE 91 ID = 07191

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7936

DIFFERENCE = .0036 P = .3398

MODEL 2: ACH = CAT + CR R2 = .7900

DIFFERENCE = .0001 P = .9839

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0072

HI CR = 1.7228 LO CR = .8289

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8208
LO CAT, HI CR = -1.0078
HI CAT, LO CR = .8425
HI CAT, HI CR = .9917

HAVE CONFERENCE WITH STUDENT TO DISCUSS PROBLEM

CR VARIABLE 92 ID = 07192

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7902

DIFFERENCE = .0000 P = .9814

MODEL 2: ACH = CAT + CR R2 = .7902

DIFFERENCE = .0003 P = .7934

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0159

HI CR = 1.7730 LO CR = .8877

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9962
LO CAT, HI CR = -.8717
HI CAT, LO CR = .8743
HI CAT, HI CR = .9838

GIVE EXTRA ATTENTION, HELP AFTER OR IN CLASS; MOVE NEAT TO TEACHER

CR VARIABLE 93 ID = 07193

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7931

DIFFERENCE = .0028 P = .0842

MODEL 2: ACH = CAT + CR R2 = .7904

DIFFERENCE = .0004 P = .7452

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0202

HI CR = 1.6128 LO CR = .8818

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9435
LO CAT, HI CR = -.8905
HI CAT, LO CR = .9872
HI CAT, HI CR = .8686

CONTACT PARENTS

CR VARIABLE 94 ID = 07194

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7990

DIFFERENCE = .0084 P = .1360

MODEL 2: ACH = CAT + CR R2 = .7906

DIFFERENCE = .0007 P = .6789

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0268

HI CR = 1.9863 LO CR = .9217

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8565
LO CAT, HI CR = -1.0698
HI CAT, LO CR = .8839
HI CAT, HI CR = 1.1066

REFER TO COUNSELOR, OFFICE; CONFERENCE W/COUNSELOR AND/OR PARENTS

CR VARIABLE 95 ID = 07195

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7948

DIFFERENCE = .0001 P = .8623

MODEL 2: ACH = CAT + CR R2 = .7939

DIFFERENCE = .0039 P = .3138

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0648

HI CR = 1.5502 LO CR = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8544
LO CAT, HI CR = -.9322
HI CAT, LO CR = .9744
HI CAT, HI CR = .8272

FAIL THEM, FORGET THEM, DO NOTHING--AND OTHER RESPONSE GIVEN

CR VARIABLE 96 ID = 07196

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8001

DIFFERENCE = .0048 P = .1364

MODEL 2: ACH = CAT + CR R2 = .8001

DIFFERENCE = .0101 P = .0769

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.1011

HI CR = 1.4828 LO CR = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8588
LO CAT, HI CR = -.9229
HI CAT, LO CR = 1.0786
HI CAT, HI CR = .6700

95

FAIL THEM, FORGET THEM AFTER OTHER STRATEGIES FAIL

CR VARIABLE 97 ID = 07197

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8033

DIFFERENCE = .0082 P = .1347

MODEL 2: ACH = CAT + CR R2 = .7950

DIFFERENCE = .0051 P = .2476

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0723

HI CR = 1.8201 LO CR = .8695

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9047
LO CAT, HI CR = -.9685
HI CAT, LO CR = .7556
HI CAT, HI CR = 1.2898

DISCUSS THE PROBLEM WITH COUNSELOR OR OTHER TEACHERS

CR VARIABLE 98 ID = 07198

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8035

DIFFERENCE = .0097 P = .1041

MODEL 2: ACH = CAT + CR R2 = .7937

DIFFERENCE = .0038 P = .3283

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0618

HI CR = 1.8888 LO CR = .7989

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8877
LO CAT, HI CR = -1.0582
HI CAT, LO CR = .7259
HI CAT, HI CR = 1.0734

OTHER: ASSIGN DETENTION, GUARD RELATIONSHIP WITH STUDENT, ETC.

CR VARIABLE 99 ID = 07199

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7939

DIFFERENCE = .0002 P = .8187

MODEL 2. ACH = CAT + CR R2 = .7937

DIFFERENCE = .0038 P = .3208

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0619

HI CR = 1.0828 LO CR = .7931

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.8164
LO CAT, HI CR = -.9843
HI CAT, LO CR = .9448
HI CAT, HI CR = .8085

HAS STEP-BY-STEP PROCESS FOR COPING WITH STUDENTS WHO DONT DO ASSIGNMENT

CR VARIABLE198 ID = 07298

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7983

DIFFERENCE = .0083 P = .1380

MODEL 2. ACH = CAT + CR R2 = .7900

DIFFERENCE = .0000 P = .9611

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0029

HI CR = 2.0498 LO CR = 1.0548

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.8525
LO CAT, HI CR = -1.0599
HI CAT, LO CR = .8479
HI CAT, HI CR = 1.0698

If a student does not understand directions:

EXPLAIN, DISCUSS, REPEAT, READ TO STUDENT

CR VARIABLE 1 ID = 07201

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7947

DIFFERENCE = .0047 P = .2727

MODEL 2. ACH = CAT + CR R2 = .7900

DIFFERENCE = .0001 P = .8859

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0086

HI CR = 2.0498 LO CR = 1.0548

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.8125
LO CAT, HI CR = -.9922
HI CAT, LO CR = .8675
HI CAT, HI CR = 1.0875

PRIVATELY EXPLAIN, DISCUSS, REPEAT, READ DIRECTIONS

CR VARIABLE 2 ID = 07202

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7966

DIFFERENCE = .0033 P = .3531

MODEL 2. ACH = CAT + CR R2 = .7933

DIFFERENCE = .0033 P = .3523

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0579

HI CR = 1.0693 LO CR = .8135

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.7783
LO CAT, HI CR = -1.0444
HI CAT, LO CR = .8981
HI CAT, HI CR = .9859

HAVE STUDENT READ, RE-READ, OR REPEAT DIRECTIONS TO TEACHER

CB VARIABLE 3 ID = 07203

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7948

DIFFERENCE = .0000 P = 1.0000

MODEL 2: ACH = CAT + CB R2 = .7948

DIFFERENCE = .0849 P = .2565

MODEL 3: ACH = CAT R2 = .7908

BETA FOR CB IN MODEL 2 = .0699

HI CB = 1.8201 LO CB = .0695

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9575
LO CAT, HI CB = -.8178
HI CAT, LO CB = .8178
HI CAT, HI CB = .9575

TEACHER USES DEVELOPMENTAL OR PREVENTIVE APPROACH

CB VARIABLE 4 ID = 07204

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7979

DIFFERENCE = .0073 P = .1640

MODEL 2: ACH = CAT + CB R2 = .7906

DIFFERENCE = .0007 P = .6839

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0256

HI CB = 1.0693 LO CB = .0155

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8330
LO CAT, HI CB = -.9306
HI CAT, LO CB = .7785
HI CAT, HI CB = 1.0215

TEACHER REACTS NEGATIVELY; WONT GIVE HELP; PENALIZES GRADE

CB VARIABLE 5 ID = 07205

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .8061

DIFFERENCE = .0104 P = .0913

MODEL 2: ACH = CAT + CB R2 = .7957

DIFFERENCE = .0058 P = .2150

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0856

HI CB = 1.7730 LO CB = .8477

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9713
LO CAT, HI CB = -.9814
HI CAT, LO CB = 1.2138
HI CAT, HI CB = .8559

OTHER: SEND TO COUNSELOR; ASK WHAT HE DOESNT UNDERSTAND; ETC.

CB VARIABLE 6 ID = 07206

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7962

DIFFERENCE = .0061 P = .2471

MODEL 2: ACH = CAT + CB R2 = .7901

DIFFERENCE = .0002 P = .8243

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0135

HI CB = 1.3229 LO CB = .0156

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9824
LO CAT, HI CB = -.7253
HI CAT, LO CB = 1.2249
HI CAT, HI CB = .3287

BOTH TEACHER AND STUDENTS ARE RESPONSIBLE FOR MOTIVATION TO LEARN

CR VARIABLE 7 ID = 87207
NUMBER OF VALID SCORES = 56.

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7948

DIFFERENCE = .0076 P = .1664

MODEL 2: ACH = CAT + CR R2 = .7872

DIFFERENCE = .0018 P = .6237

MODEL 3: ACH = CAT R2 = .7862

BETA FOR CR IN MODEL 2 = -.0319

HI CR = 1.0363 LO CR = .0788

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7908
LO CAT, HI CR = -1.1057
HI CAT, LO CR = .8542
HI CAT, HI CR = 1.0821

TEACHER GIVES REASONS WHY STUDENTS NEED EXTERNAL MOTIVATION

CR VARIABLE 8 ID = 87208
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8037

DIFFERENCE = .0128 P = .0680

MODEL 2: ACH = CAT + CR R2 = .7909

DIFFERENCE = .0047 P = .2881

MODEL 3: ACH = CAT R2 = .7862

BETA FOR CR IN MODEL 2 = .0698

HI CR = 2.0869 LO CR = 1.0766

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8217
LO CAT, HI CR = -.9053
HI CAT, LO CR = .6075
HI CAT, HI CR = 1.0218

TEACHER CONSISTENTLY REWARDS GOOD BEHAVIOR AND GOOD WORK

CR VARIABLE 9 ID = 87209

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7917

DIFFERENCE = .0001 P = .8721

MODEL 2: ACH = CAT + CR R2 = .7916

DIFFERENCE = .0017 P = .5181

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0414

HI CR = 3.1938 LO CR = 1.8415

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8683
LO CAT, HI CR = -.9316
HI CAT, LO CR = .9554
HI CAT, HI CR = .8439

Teacher rewards good work and behavior:

WITH GRADES, BONUS POINTS

CR VARIABLE 10 ID = 87210

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8003

DIFFERENCE = .0037 P = .3207

MODEL 2: ACH = CAT + CR R2 = .7966

DIFFERENCE = .0066 P = .1030

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0819

HI CR = 1.6693 LO CR = .0135

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9255
LO CAT, HI CR = -.9228
HI CAT, LO CR = .7492
HI CAT, HI CR = 1.1415

WITH VERBAL PRAISE

CB VARIABLE 11 ID = 07211

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .8008

DIFFERENCE = .0043 P = .2876

MODEL 2: ACH = CAT + CB R2 = .7966

DIFFERENCE = .0066 P = .1842

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0815

HI CB = 2.0169 LO CB = 1.0175

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -1.0439
LO CAT, HI CB = -.7471
HI CAT, LO CB = .8968
HI CAT, HI CB = .9179

WITH WRITTEN COMMENTS ON PAPER

CB VARIABLE 12 ID = 07212

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7976

DIFFERENCE = .0059 P = .2125

MODEL 2: ACH = CAT + CB R2 = .7917

DIFFERENCE = .0018 P = .5838

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0429

HI CB = 1.7738 LO CB = .8477

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9538
LO CAT, HI CB = -.8862
HI CAT, LO CB = 1.0582
HI CAT, HI CB = .8355

WITH PUBLIC RECOGNITION: DISPLAY WORK, USE AS EXAMPLE, ETC.

CB VARIABLE 13 ID = 07213

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7922

DIFFERENCE = .0014 P = .5527

MODEL 2: ACH = CAT + CB R2 = .7908

DIFFERENCE = .0008 P = .6520

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0288

HI CB = 1.5582 LO CB = .7987

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9215
LO CAT, HI CB = -.9142
HI CAT, LO CB = .9816
HI CAT, HI CB = .8731

WITH OUT-OF-CLASS PRIVILEGES: LIBRARY, FIELD TRIPS, FAT OUT, RUN ERRANDS

CR VARIABLE 14 ID = #7214

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8339

DIFFERENCE = .0022 P = .0000

MODEL 2: ACH = CAT + CR R2 = .7917

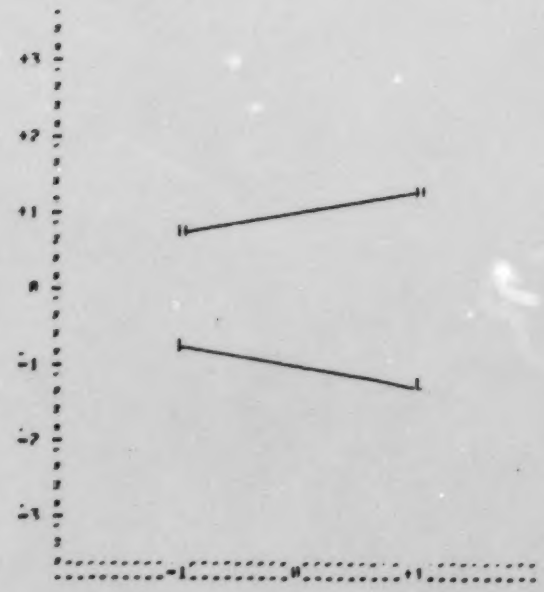
DIFFERENCE = .0017 P = .5090

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0416

HI CR = 1.6693 LO CR = .8135

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7447
LO CAT, HI CR = -1.1509
HI CAT, LO CR = .6497
HI CAT, HI CR = 1.2955



WITH IN-CLASS PRIVILEGES: GAMES, FILMS, TALK, NO TESTS OR HOMEWORK, ETC.

CR VARIABLE 15 ID = #7215

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8096

DIFFERENCE = .0196 P = .0208

MODEL 2: ACH = CAT + CR R2 = .7900

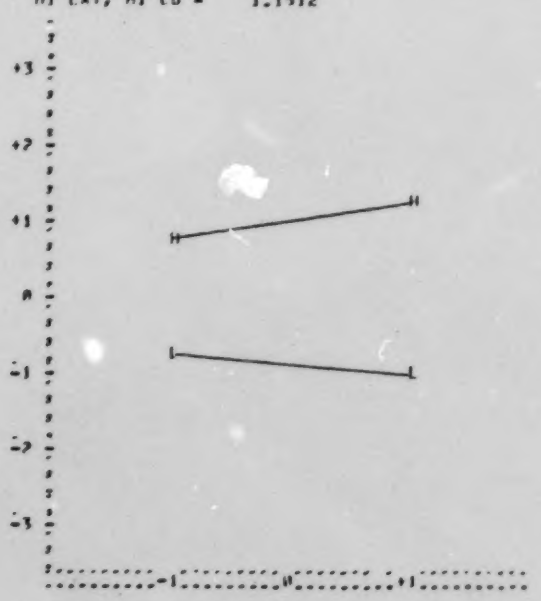
DIFFERENCE = .0001 P = .8859

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0086

HI CR = 1.7228 LO CR = .8289

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7734
LO CAT, HI CR = -1.0133
HI CAT, LO CR = .7455
HI CAT, HI CR = 1.1512



WITH TIME OFF, FREE TIME, FREE DAYS, GET TO LEAVE EARLY

CR VARIABLE 16 ID = 07216

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7980

DIFFERENCE = .0035 P = .3586

MODEL 2: ACH = CAT + CR R2 = .7945

DIFFERENCE = .0045 P = .2748

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0674

HI CR = 1.7738 LO LR = .8477

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7784
LO CAT, HI CR = -1.0526
HI CAT, LO CR = .9858
HI CAT, HI CR = .9287

WITH APPROVAL, LOVE, PERSONAL ATTENTION, PHYSICAL AFFECTION, ETC.

CR VARIABLE 18 ID = 07218

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7980

DIFFERENCE = .0000 P = .9724

MODEL 2: ACH = CAT + CR R2 = .7939

DIFFERENCE = .0040 P = .3871

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0637

HI CR = 1.4980 LO LR = .7989

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8355
LO CAT, HI CR = -.9570
HI CAT, LO CR = .9619
HI CAT, HI CR = .8317

WITH CONCRETE REWARDS: CANDY, AWARDS, CERTIFICATES, GUM, GIFTS

CR VARIABLE 17 ID = 07217

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8024

DIFFERENCE = .0001 P = .8684

MODEL 2: ACH = CAT + CR R2 = .8023

DIFFERENCE = .0123 P = .0660

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.1117

HI CR = 1.3224 LO LR = .8156

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7547
LO CAT, HI CR = -1.0022
HI CAT, LO CR = .9661
HI CAT, HI CR = .7999

WITH COMPLIMENTARY NOTES TO PARENTS; CALL PARENTS TO BRAG

CR VARIABLE 19 ID = 07219

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8008

DIFFERENCE = .0021 P = .4551

MODEL 2: ACH = CAT + CR R2 = .7987

DIFFERENCE = .0087 P = .1252

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0985

HI CR = 1.4824 LO LR = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7489
LO CAT, HI CR = -1.1189
HI CAT, LO CR = .9613
HI CAT, HI CR = .8524

BECOMING CLOSE TO STUDENTS IS A PLUS FOR BUILDING RAPPORT

CR VARIABLE 20 ID = 07220

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7905

DIFFERENCE = .0000 P = .9221

MODEL 2. ACH = CAT + CR R2 = .7905

DIFFERENCE = .0006 P = .7063

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0239

HI CR = 1.9569 LO CR = 2.3198

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.8664
LO CAT, HI CR = -.9037
HI CAT, LO CR = .9178
HI CAT, HI CR = .8472

RELATIONSHIP W/STUDENT IMPORT. BECAUSE MORE YOU KNOW, BETTER YOU CAN TEACH

CR VARIABLE 22 ID = 07222

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7910

DIFFERENCE = .0009 P = .6304

MODEL 2. ACH = CAT + CR R2 = .7901

DIFFERENCE = .0001 P = .8551

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0110

HI CR = 1.3229 LO CR = .8156

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.9466
LO CAT, HI CR = -.8898
HI CAT, LO CR = .8977
HI CAT, HI CR = .8793

SOCIAL RELATIONSHIP W/STUDENT MORE IMPORTANT THAN ACADEMIC PROGRESS

CR VARIABLE 21 ID = 07221
NUMBER OF VALID SCORES = 56

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7920

DIFFERENCE = .0030 P = .3979

MODEL 2. ACH = CAT + CR R2 = .7890

DIFFERENCE = .0002 P = .8286

MODEL 3. ACH = CAT R2 = .7888

BETA FOR CR IN MODEL 2 = -.0135

HI CR = 2.4798 LO CR = 1.1439

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.8263
LO CAT, HI CR = -.9843
HI CAT, LO CR = .8912
HI CAT, HI CR = .9619

BECAUSE RELATIONSHIP IS STRONG MOTIVATOR; WILL WORK TO PLEASE T.

CR VARIABLE 23 ID = 07223

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7924

DIFFERENCE = .0006 P = .6945

MODEL 2. ACH = CAT + CR R2 = .7920

DIFFERENCE = .0028 P = .4765

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0888

HI CR = 1.8888 LO CR = .7989

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.8283
LO CAT, HI CR = -.9329
HI CAT, LO CR = .9983
HI CAT, HI CR = .6689

BECAUSE TEACHER, STUDENTS MORE COMFORTABLE, RECEPTIVE

CR VARIABLE 24 ID = 07224

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8889

DIFFERENCE = .0016 P = .5165

MODEL 2: ACH = CAT + CR R2 = .7993

DIFFERENCE = .0893 P = .1115

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .8979

HI CR = 1.5502 LO CR = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0363
LO CAT, HI CR = -.7686
HI CAT, LO CR = .8565
HI CAT, HI CR = .9143

Teacher handles the disruptive student by:
CONFERENCE, TALK

CR VARIABLE 25 ID = 07225

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7905

DIFFERENCE = .0000 P = .9491

MODEL 2: ACH = CAT + CR R2 = .7905

DIFFERENCE = .0086 P = .7828

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0249

HI CR = 1.9456 LO CR = .9518

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9898
LO CAT, HI CR = -.8551
HI CAT, LO CR = .8686
HI CAT, HI CR = .9859

REALITY THERAPY, CONTRACTS

CR VARIABLE 26 ID = 07226

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7920

DIFFERENCE = .0002 P = .8026

MODEL 2: ACH = CAT + CR R2 = .7918

DIFFERENCE = .0018 P = .5881

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0447

HI CR = 1.6693 LO CR = .8135

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8179
LO CAT, HI CR = -.9298
HI CAT, LO CR = .9017
HI CAT, HI CR = .8784

MANAGEMENT, THREAT, CRITICIZE, WARN, ETC.

CR VARIABLE 27 ID = 07227

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7997

DIFFERENCE = .0038 P = .3738

MODEL 2: ACH = CAT + CR R2 = .7966

DIFFERENCE = .0067 P = .1815

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0819

HI CR = 1.6128 LO CR = .8818

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8781
LO CAT, HI CR = -.9316
HI CAT, LO CR = 1.0184
HI CAT, HI CR = .7071

ISOLATING STUDENT, MOVE UP FRONT, INTO HALL

CB VARIABLE 28 ID = H7228

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7971

DIFFERENCE = .0033 P = .3540

MODEL 2: ACH = CAT + CB R2 = .7938

DIFFERENCE = .0038 P = .3164

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0643

HI CB = 1.9863 LO CB = .9213

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9247
LO CAT, HI CB = -.9176
HI CAT, LO CB = .8058
HI CAT, HI CB = 1.1286

KEEPING AFTER SCHOOL, AFTER CLASS

CB VARIABLE 29 ID = H7229

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7983

DIFFERENCE = .0015 P = .5406

MODEL 2: ACH = CAT + CB R2 = .7969

DIFFERENCE = .0069 P = .1735

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0832

HI CB = 1.5582 LO CB = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9196
LO CAT, HI CB = -.9118
HI CAT, LO CB = .7578
HI CAT, HI CB = 1.0676

CONTACTING PARENTS, SENDING NOTE HOME

CB VARIABLE 30 ID = H7230

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .8154

DIFFERENCE = .0238 P = .0105

MODEL 2: ACH = CAT + CB R2 = .7916

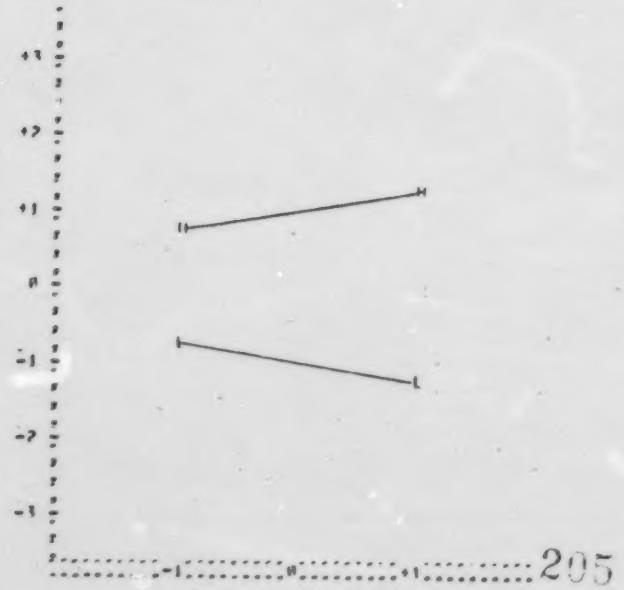
DIFFERENCE = .0016 P = .5201

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0405

HI CB = 1.8201 LO CB = .8695

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8894
LO CAT, HI CB = -1.1335
HI CAT, LO CB = .7280
HI CAT, HI CB = 1.2325



REFERRING TO COUNSELOR; CONFERENCE W/PARENT, COUNSELOR, STUDENT

CR VARIABLE 31 ID = 07231

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8858

DIFFERENCE = .0077 P = .1459

MODEL 2: ACH = CAT + CR R2 = .7973

DIFFERENCE = .0074 P = .1600

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .8990

HI CR = 1.0828 LO CR = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0752
LO CAT, HI CR = -.6325
HI CAT, LO CR = .8484
HI CAT, HI CR = 1.0831

SENDING TO PRINCIPAL, OFFICE

CR VARIABLE 32 ID = 07232

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7900

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2: ACH = CAT + CR R2 = .7900

DIFFERENCE = .0000 P = .9420

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .8844

HI CR = 2.1865 LO CR = 1.3387

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8928
LO CAT, HI CR = -.8848
HI CAT, LO CR = .8848
HI CAT, HI CR = .8928

SENDING TO DETENTION

CR VARIABLE 33 ID = 07233

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7932

DIFFERENCE = .0018 P = .5073

MODEL 2: ACH = CAT + CR R2 = .7915

DIFFERENCE = .0015 P = .5358

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0401

HI CR = 1.5502 LO CR = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8873
LO CAT, HI CR = -.9639
HI CAT, LO CR = .8535
HI CAT, HI CR = .9829

OTHER: IGNORE HIM; HAVE THEM DO SPECIAL ERRANDS, WRITE SENTENCES

CR VARIABLE 34 ID = 07234

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8032

DIFFERENCE = .0072 P = .1617

MODEL 2: ACH = CAT + CR R2 = .7960

DIFFERENCE = .0061 P = .2838

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .8779

HI CR = 1.7738 LO CR = .8477

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0373
LO CAT, HI CR = -.6479
HI CAT, LO CR = .8887
HI CAT, HI CR = .8882

TEACHER HAS STEP-BY-STEP PROCESS FOR HANDLING DISRUPTIVE STUDENTS

CR VARIABLE 35 ID = 87235
NUMBER OF VALID SCORES = 52

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8281

DIFFERENCE = .0018 P = .4919

MODEL 2: ACH = CAT + CR R2 = .8264

DIFFERENCE = .0285 P = .0047

MODEL 3: ACH = CAT R2 = .7979

BETA FOR CR IN MODEL 2 = .1758

HI CR = 2.1986 LO CR = 1.3479

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.1856
LO CAT, HI CR = -.8367
HI CAT, LO CR = .7889
HI CAT, HI CR = 1.2945

Student should be disciplined for:

DISRUPTION, DISOBEDIENCE, BOTHERING OTHERS

CR VARIABLE 36 ID = 87236

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7927

DIFFERENCE = .0012 P = .5084

MODEL 2: ACH = CAT + CR R2 = .7915

DIFFERENCE = .0015 P = .5389

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0389

HI CR = 2.1859 LO CR = 1.1355

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9199
LO CAT, HI CR = -.9836
HI CAT, LO CR = .9937
HI CAT, HI CR = .8257

PROFANITY, SWEARING, VULGAR LANGUAGE

CR VARIABLE 37 ID = 87237

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7957

DIFFERENCE = .0043 P = .2939

MODEL 2: ACH = CAT + CR R2 = .7914

DIFFERENCE = .0015 P = .5488

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0388

HI CR = 1.7734 LO CR = .8477

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7918
LO CAT, HI CR = -1.0133
HI CAT, LO CR = .8656
HI CAT, HI CR = .9797

LACK OF RESPECT, CONSIDERATION FOR TEACHER, OTHER STUDENTS

CR VARIABLE 38 ID = 87238

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7958

DIFFERENCE = .0057 P = .2236

MODEL 2: ACH = CAT + CR R2 = .7901

DIFFERENCE = .0001 P = .8480

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0117

HI CR = 2.0787 LO CR = 1.0937

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7843
LO CAT, HI CR = -.9635
HI CAT, LO CR = .7470
HI CAT, HI CR = .9305

CONSTANT TALKING, INTERRUPTING, CALLING OUT, WONT SHUT UP

CR VARIABLE 39 ID = 07239

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7969

DIFFERENCE = .0007 P = .6784

MODEL 2: ACH = CAT + CR R2 = .7962

DIFFERENCE = .0063 P = .1965

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0794

HI CR = 1.6693 LO CR = .0135

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -1.0816
LO CAT, HI CB = -.7498
HI CAT, LO CB = .8499
HI CAT, HI CB = .8807

ROUGHHOUSING, FIGHTING, THROWING, DESTRUCTION OF PROPERTY

CR VARIABLE 40 ID = 07240

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8059

DIFFERENCE = .0155 P = .0399

MODEL 2: ACH = CAT + CR R2 = .7903

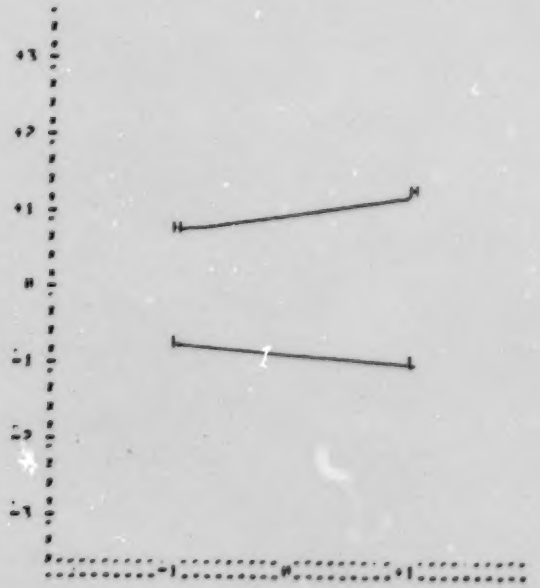
DIFFERENCE = .0004 P = .7569

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0194

HI CR = 2.0169 LO CR = 1.0175

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7449
LO CAT, HI CB = -1.0981
HI CAT, LO CB = .8227
HI CAT, HI CB = 1.1966



DISREGARDING SCHOOLWORK: TARDY, NOT BRING MATERIALS, NOT DO WORK

CR VARIABLE 41 ID = 07241

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7968

DIFFERENCE = .0024 P = .4316

MODEL 2: ACH = CAT + CR R2 = .7936

DIFFERENCE = .0037 P = .3294

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .8607

HI CR = 1.6693 LO CR = .8135

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9117
LO CAT, HI CR = -.9188
HI CAT, LO CR = .7831
HI CAT, HI CR = 1.0656

Teacher believes that to establish credibility:

MUST BE CONSISTENT; FOLLOW THROUGH

CR VARIABLE 42 ID = 07242

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7938

DIFFERENCE = .0008 P = .6537

MODEL 2: ACH = CAT + CR R2 = .7930

DIFFERENCE = .0030 P = .3779

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .8558

HI CR = 1.9454 LO CR = .9518

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9298
LO CAT, HI CR = -.8899
HI CAT, LO CR = .8288
HI CAT, HI CR = 1.0873

MUST BE FAIR: TREAT ALL THE SAME, DONT PLAY FAVORITES

CR VARIABLE 43 ID = 07243

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8013

DIFFERENCE = .0014 P = .5470

MODEL 2: ACH = CAT + CR R2 = .7999

DIFFERENCE = .0099 P = .1887

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.8996

HI CR = 1.4828 LO CR = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7517
LO CAT, HI CR = -1.0411
HI CAT, LO CR = .9524
HI CAT, HI CR = .8177

MUST BE HONEST, SINCERE

CR VARIABLE 44 ID = 07244

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7958

DIFFERENCE = .0009 P = .6298

MODEL 2: ACH = CAT + CR R2 = .7920

DIFFERENCE = .0021 P = .4686

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .8466

HI CR = 1.7228 LO CR = .8289

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9744
LO CAT, HI CR = -.8183
HI CAT, LO CR = .8825
HI CAT, HI CR = .8722

MUST MAINTAIN TEACHER ROLE: KNOW SUBJECT; BE CORRECT IN MANNER

CB VARIABLE 45 ID = 07245

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7993

DIFFERENCE = .0063 P = .1971

MODEL 2: ACH = CAT + CB R2 = .7931

DIFFERENCE = .0831 P = .3686

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0567

HI CB = 1.0888 LO CB = .7989

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7591
LO CAT, HI CB = -1.0170
HI CAT, LO CB = .7952
HI CAT, HI CB = 1.0657

MUST ADMIT MISTAKES, BE A REAL PERSON

CB VARIABLE 47 ID = 07247

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7962

DIFFERENCE = .0058 P = .2185

MODEL 2: ACH = CAT + CB R2 = .7904

DIFFERENCE = .0005 P = .7271

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0217

HI CB = 1.6693 LO CB = .8139

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8395
LO CAT, HI CB = -1.0823
HI CAT, LO CB = .7808
HI CAT, HI CB = 1.1511

MUST SHOW TRUST, CARING, RESPECT FOR STUDENTS

CB VARIABLE 46 ID = 07246

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7997

DIFFERENCE = .0009 P = .6264

MODEL 2: ACH = CAT + CB R2 = .7988

DIFFERENCE = .0088 P = .1719

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.1024

HI CB = 1.3582 LO CB = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8703
LO CAT, HI CB = -1.0865
HI CAT, LO CB = 1.0757
HI CAT, HI CB = .8808

OTHERS DO BY EXPERIENCE; BY GOOD EXAMPLE; THEY KNOW MY REPUTATION

CB VARIABLE 48 ID = 07248

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .8109

DIFFERENCE = .0026 P = .3982

MODEL 2: ACH = CAT + CB R2 = .8083

DIFFERENCE = .0184 P = .0240

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .1348

HI CB = 1.9856 LO CB = .9510

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -1.0873
LO CAT, HI CB = -.8517
HI CAT, LO CB = .7419
HI CAT, HI CB = 1.1187

THINKS THAT STUDENT RATINGS OF TEACHERS AND CLASSES ARE VALID

CR VARIABLE 89 ID = 07289

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .0139

DIFFERENCE = .0019 P = .4696

MODEL 2: ACH = CAT + CR R2 = .0120

DIFFERENCE = .3221 P = .0131

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .1571

HI CR = 3.0461 LO CR = 1.2987

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0430
LO CAT, HI CR = -.8250
HI CAT, LO CR = .7574
HI CAT, HI CR = 1.1472

Teacher believes students' ratings of school are invalid because:

STUDENTS IMMATURE, EMOTIONAL, DONT THINK

CR VARIABLE 58 ID = 07258
NUMBER OF VALID SCORES = 24

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .9188

DIFFERENCE = .0069 P = .2284

MODEL 2: ACH = CAT + CR R2 = .9116

DIFFERENCE = .0042 P = .3297

MODEL 3: ACH = CAT R2 = .9074

BETA FOR CR IN MODEL 2 = .0662

HI CR = 1.9897 LO CR = .9237

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9816
LO CAT, HI CR = -1.0529
HI CAT, LO CR = .8516
HI CAT, HI CR = 1.2807

KIDS RESPOND TO IRRELEVANT FACTORS: REVENGE, PEER PRESSURE, ETC.

CR VARIABLE 51 ID = 07251
NUMBER OF VALID SCORES = 24

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .9118

DIFFERENCE = .0038 P = .3491

MODEL 2: ACH = CAT + CR R2 = .9080

DIFFERENCE = .0006 P = .7070

MODEL 3: ACH = CAT R2 = .9074

BETA FOR CR IN MODEL 2 = .0263

HI CR = 1.9897 LO CR = .9237

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8784
LO CAT, HI CR = -1.0729
HI CAT, LO CR = .9346
HI CAT, HI CR = 1.1220

FAULTY PROCEDURES: POORLY WORDED, TIMED, NOT EXPLAINED, ETC.

CR VARIABLE 52 ID = 07252
NUMBER OF VALID SCORES = 24

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .9211

DIFFERENCE = .0134 P = .2759

MODEL 2: ACH = CAT + CR R2 = .9075

DIFFERENCE = .0001 P = .8926

MODEL 3: ACH = CAT R2 = .9074

BETA FOR CR IN MODEL 2 = .0107

HI CR = 1.6838 LO CR = .8178

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.1583
LO CAT, HI CR = -.8468
HI CAT, LO CR = 1.2685
HI CAT, HI CR = 1.0966

KIDS CAN DISTINGUISH ABILITY TO TEACH VERSUS ESTABLISH RAPPORT

CR VARIABLE 53 ID = 07253
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7808

DIFFERENCE = .0002 P = .8369

MODEL 2: ACH = CAT + CR R2 = .7802

DIFFERENCE = .0021 P = .4865

MODEL 3: ACH = CAT R2 = .7781

BETA FOR CR IN MODEL 2 = .0474

HI CR = 1.0744 LO CR = 1.3547

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8955
LO CAT, HI CR = -.8294
HI CAT, LO CR = .7820
HI CAT, HI CR = .9237

TEACHER GIVES CONSISTENT ANSWERS ABOUT VALIDITY OF STUDENT RATINGS

CR VARIABLE 54 ID = 07254
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7859

DIFFERENCE = .0071 P = .1924

MODEL 2: ACH = CAT + CR R2 = .7788

DIFFERENCE = .0007 P = .6795

MODEL 3: ACH = CAT R2 = .7781

BETA FOR CR IN MODEL 2 = -.0277

HI CR = 2.1968 LO CR = 1.3759

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8113
LO CAT, HI CR = -1.0258
HI CAT, LO CR = .9116
HI CAT, HI CR = .9886

WHOLE CLASS IS INVOLVED IN CLASS DISCUSSIONS MOST OF TIME

CR VARIABLE 55 ID = 07255
NUMBER OF VALID SCORES = 22

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .9291

DIFFERENCE = .0041 P = .3226

MODEL 2: ACH = CAT + CR R2 = .9251

DIFFERENCE = .0247 P = .0285

MODEL 3: ACH = CAT R2 = .9003

BETA FOR CR IN MODEL 2 = .1810

HI CR = 2.0834 LO CR = 1.8475

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.1752
LO CAT, HI CR = -.6458
HI CAT, LO CR = 1.1382
HI CAT, HI CR = 1.0893

HIGH FREQUENCY OF CLASS DISCUSSIONS

CR VARIABLE 56 ID = 07256
NUMBER OF VALID SCORES = 32

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7271

DIFFERENCE = .0082 P = .3785

MODEL 2: ACH = CAT + CR R2 = .7189

DIFFERENCE = .0025 P = .6190

MODEL 3: ACH = CAT R2 = .7164

BETA FOR CR IN MODEL 2 = -.0504

HI CR = 3.1556 LO CR = 1.5944

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7827
LO CAT, HI CR = -1.0118
HI CAT, LO CR = .8468
HI CAT, HI CR = .9731

Advantages of class discussions are:

STUDENTS LEARN BY HEARING OTHERS; SLOWER ONES LEARN FROM BRIGHTER

CB VARIABLE 57 ID = 07257

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .8007

DIFFERENCE = .0001 P = .8427

MODEL 2: ACH = CAT + CB R2 = .8005

DIFFERENCE = .0106 P = .0094

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .1187

HI CB = 1.7228 LO CB = .8289

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9427
LO CAT, HI CB = -.7483
HI CAT, LO CB = .7165
HI CAT, HI CB = .9573

EFFECTIVE USE OF TEACHER TIME; WHOLE CLASS HEARS WHAT IS SAID

CB VARIABLE 59 ID = 07259

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7923

DIFFERENCE = .0013 P = .5645

MODEL 2: ACH = CAT + CB R2 = .7910

DIFFERENCE = .0010 P = .6171

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0317

HI CB = 1.7738 LO CB = .8477

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8836
LO CAT, HI CB = -.8632
HI CAT, LO CB = .9498
HI CAT, HI CB = .7747

TEACHER CAN FIND PROBLEM AREAS; BET IF UNDERSTAND; CATCH QUESTIONS

CB VARIABLE 58 ID = 07258

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7942

DIFFERENCE = .0036 P = .3392

MODEL 2: ACH = CAT + CB R2 = .7907

DIFFERENCE = .0007 P = .6719

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0267

HI CB = 1.7738 LO CB = .8477

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8173
LO CAT, HI CB = -.8008
HI CAT, LO CB = .7539
HI CAT, HI CB = .9229

STIMULATES MOTIVATION, INTEREST; BETTER ATTENTION, BEHAVIOR

CB VARIABLE 60 ID = 07260

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .8004

DIFFERENCE = .0002 P = .8280

MODEL 2: ACH = CAT + CB R2 = .8002

DIFFERENCE = .0103 P = .0048

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .1011

HI CB = 1.7228 LO CB = .8289

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9778
LO CAT, HI CB = -.8180
HI CAT, LO CB = .7753
HI CAT, HI CB = 1.0281

LEARN COMMUNICATION SKILLS; CHANCE FOR INTERACTION, SELF-EXPRESSION

CR VARIABLE 61 ID = 87261

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7959

DIFFERENCE = .0057 P = .2235

MODEL 2: ACH = CAT + CB R2 = .7902

DIFFERENCE = .0002 P = .8876

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0148

HI CB = 1.4828 LO CB = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8832
LO CAT, HI CB = -.9677
HI CAT, LO CB = .8288
HI CAT, HI CB = .9718

OTHERS BRIGHTS LEARN TOLERANCE; SAVES PAPERWORK; DISCUSSIONS ARE FUN, ETC

CR VARIABLE 63 ID = 87263

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7985

DIFFERENCE = .0005 P = .7214

MODEL 2: ACH = CAT + CB R2 = .7981

DIFFERENCE = .0001 P = .8706

MODEL 3: ACH = CAT R2 = .7980

BETA FOR CB IN MODEL 2 = .0108

HI CB = 1.4888 LO CB = .7989

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8886
LO CAT, HI CB = -.8918
HI CAT, LO CB = .8365
HI CAT, HI CB = .9792

ESTABLISH IDENTITY, GAIN CONFIDENCE; ALL PARTICIPATE, SHY KIDS TALK

CR VARIABLE 62 ID = 87262

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7913

DIFFERENCE = .0007 P = .6841

MODEL 2: ACH = CAT + CB R2 = .7906

DIFFERENCE = .0006 P = .6868

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0253

HI CB = 1.6128 LO CB = .8818

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8986
LO CAT, HI CB = -.8898
HI CAT, LO CB = .8388
HI CAT, HI CB = .9464

Disadvantages of class discussions are:

MANY DONT OR WONT PARTICIPATE IN CLASS DISCUSSIONS

CR VARIABLE 64 ID = 87264

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7939

DIFFERENCE = .0023 P = .4852

MODEL 2: ACH = CAT + CB R2 = .7916

DIFFERENCE = .0016 P = .5282

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0448

HI CB = 1.6128 LO CB = .8818

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7936
LO CAT, HI CB = -.9272
HI CAT, LO CB = .8471
HI CAT, HI CB = .9778

TIRING FOR TEACHER; HARD TO GIVE ALL A CHANCE; MUST ATTEND CLOSELY

CR VARIABLE 65 ID = 07265

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7937

DIFFERENCE = .0033 P = .3617

MODEL 2: ACH = CAT + CR R2 = .7904

DIFFERENCE = .0085 P = .1709

MODEL 3: ACH = CAT R2 = .7988

BETA FOR CR IN MODEL 2 = .0223

HI CR = 1.3224 LO CR = -.8156

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9794
LO CAT, HI CR = -.7734
HI CAT, LO CR = .9727
HI CAT, HI CR = .7518

CONTROL, BEHAVIOR PROBLEMS MAY DEVELOP

CR VARIABLE 66 ID = 07266

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7932

DIFFERENCE = .0032 P = .3664

MODEL 2: ACH = CAT + CR R2 = .7900

DIFFERENCE = .0000 P = .9976

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0032

HI CR = 1.5582 LO CR = -.7907

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9662
LO CAT, HI CR = -.7957
HI CAT, LO CR = .9682
HI CAT, HI CR = .8036

DISC; MAY GET MISDIRECTED, PETTY, TRIVIAL; MAY START ARGUMENT

CR VARIABLE 67 ID = 07267

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7909

DIFFERENCE = .0003 P = .7895

MODEL 2: ACH = CAT + CR R2 = .7907

DIFFERENCE = .0007 P = .6697

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0269

HI CR = 1.3224 LO CR = -.8156

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8857
LO CAT, HI CR = -.8928
HI CAT, LO CR = .9318
HI CAT, HI CR = .8537

HARD TO DO WITH DIFFERENT ABILITY LEVEL STUDENTS

CR VARIABLE 68 ID = 07268

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8009

DIFFERENCE = .0109 P = .0077

MODEL 2: ACH = CAT + CR R2 = .7900

DIFFERENCE = .0000 P = .9807

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0811

HI CR = 1.9861 LO CR = -.9217

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8176
LO CAT, HI CR = -1.0731
HI CAT, LO CR = .8149
HI CAT, HI CR = 1.0749

LOSS OF ATTENTION; KIDS TUNE OUT; DONT LISTEN TO EACH OTHER

CB VARIABLE 69 ID = 07269

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7922

DIFFERENCE = .0019 P = .4931

MODEL 2: ACH = CAT + CB R2 = .7903

DIFFERENCE = .0003 P = .7732

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0177

HI CB = 1.4828 LO CB = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8151
LO CAT, HI CB = -1.0088
HI CAT, LO CB = .8316
HI CAT, HI CB = 1.0198

NO DISADVANTAGES TO CLASS DISCUSSIONS

CB VARIABLE 70 ID = 07270

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7954

DIFFERENCE = .0053 P = .2394

MODEL 2: ACH = CAT + CB R2 = .7901

DIFFERENCE = .0001 P = .8525

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0120

HI CB = 1.5582 LO CB = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -1.0078
LO CAT, HI CB = -.8273
HI CAT, LO CB = .9921
HI CAT, HI CB = .9331

OTHERS REWARDS COMPETITIVENESS; CANT TEACH TO INDIVIDUALS, ETC.

CB VARIABLE 71 ID = 07271

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7977

DIFFERENCE = .0057 P = .2191

MODEL 2: ACH = CAT + CB R2 = .7920

DIFFERENCE = .0020 P = .4734

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0454

HI CB = 1.3224 LO CB = .8156

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -1.0410
LO CAT, HI CB = -.6980
HI CAT, LO CB = 1.1985
HI CAT, HI CB = .5029

TEACHER TARGETS QUESTIONS TO BRIGHTER, OR SLOWER, ETC.

CB VARIABLE 72 ID = 07272

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .8041

DIFFERENCE = .0084 P = .7489

MODEL 2: ACH = CAT + CB R2 = .8037

DIFFERENCE = .0138 P = .8516

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.1282

HI CB = 2.8169 LO CB = 1.8175

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8286
LO CAT, HI CB = -1.0238
HI CAT, LO CB = 1.0891
HI CAT, HI CB = .7865

EQUALIZES QUESTIONS, OR TARGETS FOR SPECIFIC REASONS

CR VARIABLE 73 ID = 07273

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7998

DIFFERENCE = .0097 P = .1083

MODEL 2: ACH = CAT + CR R2 = .7901

DIFFERENCE = .0001 P = .8448

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0118

HI CR = 1.6281 LO CR = .8695

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8816
LO CAT, HI CR = -1.8976
HI CAT, LO CR = .8229
HI CAT, HI CR = 1.1117

TEACHER DOES NOT SAY WHETHER OR NOT SHE TARGETS QUESTIONS

CR VARIABLE 74 ID = 07274

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8253

DIFFERENCE = .0003 P = .7756

MODEL 2: ACH = CAT + CR R2 = .8250

DIFFERENCE = .0351 P = .0020

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .1924

HI CR = 1.4828 LO CR = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.1189
LO CAT, HI CR = -.7663
HI CAT, LO CR = .6957
HI CAT, HI CR = 1.2237

TEACHER DIRECTS MORE QUESTIONS TO BRIGHTER STUDENTS

CR VARIABLE 75 ID = 07275
NUMBER OF VALID SCORES = 38

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .9318

DIFFERENCE = .0324 P = .0020

MODEL 2: ACH = CAT + CR R2 = .8995

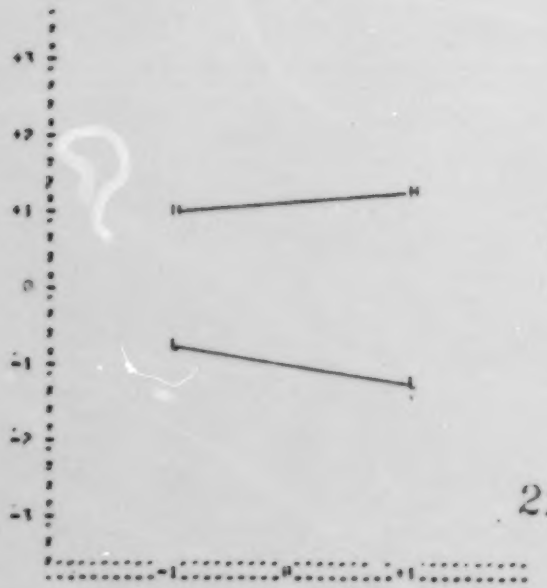
DIFFERENCE = .0049 P = .2689

MODEL 3: ACH = CAT R2 = .8946

BETA FOR CR IN MODEL 2 = -.8746

HI CR = 2.0899 LO CR = 1.1181

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7256
LO CAT, HI CR = -1.2598
HI CAT, LO CR = .9811
HI CAT, HI CR = 1.2994



TEACHER GOES TO STUDENT DURING SEATWORK PERIODS MOST OF TIME

CR VARIABLE 76 ID = 07276
NUMBER OF VALID SCORES = 54

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .0823

DIFFERENCE = .0096 P = .1218

MODEL 2: ACH = CAT + CR R2 = .7927

DIFFERENCE = .0000 P = .9214

MODEL 3: ACH = CAT R2 = .7927

BETA FOR CR IN MODEL 2 = -.0862

HI CR = 4.3679 LO CR = 2.1586

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8456
LO CAT, HI CR = -1.0684
HI CAT, LO CR = .9348
HI CAT, HI CR = 1.0592

IN LITERATURE, USE THE DISTRICTS ADOPTED TEXTS

CR VARIABLE 77 ID = 07277
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 =804.9301

DIFFERENCE = 5.0299 P = 1.0000

MODEL 2: ACH = CAT + CR R2 =799.9002

DIFFERENCE = 7.2158 P = 1.0000

MODEL 3: ACH = CAT R2 =792.6652

BETA FOR CR IN MODEL 2 = 11.0487

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

IN LITERATURE, USE EASIER SUPPLEMENTARY MATERIALS

CR VARIABLE 78 ID = 07278
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 =804.9301

DIFFERENCE = 5.0299 P = 1.0000

MODEL 2: ACH = CAT + CR R2 =799.9002

DIFFERENCE = 7.2158 P = 1.0000

MODEL 3: ACH = CAT R2 =792.6652

BETA FOR CR IN MODEL 2 = 11.0487

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

IN SPELLING, USE BASIC GOALS IN SPELLING AS TEXT

CR VARIABLE 79 ID = 07279
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 =804.9301

DIFFERENCE = 5.0299 P = 1.0000

MODEL 2: ACH = CAT + CR R2 =799.9002

DIFFERENCE = 7.2158 P = 1.0000

MODEL 3: ACH = CAT R2 =792.6652

BETA FOR CR IN MODEL 2 = 11.0487

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

IN GRAMMAR, USE NEW APPROACHES (ADOPTED TEXT)

CR VARIABLE A0 ID = 07280
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 =804.9301

DIFFERENCE = 5.0299 P = 1.0000

MODEL 2. ACH = CAT + CR R2 =799.9002

DIFFERENCE = 7.2358 P = 1.0000

MODEL 3. ACH = CAT R2 =792.6652

BETA FOR CR IN MODEL 2 = 11.0487

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

IN GRAMMAR, USE SUPPLEMENTARY MATERIALS, WORKBOOKS, SELF-MADE, ETC.

CR VARIABLE A1 ID = 07281
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 =804.9301

DIFFERENCE = 5.0299 P = 1.0000

MODEL 2. ACH = CAT + CR R2 =799.9002

DIFFERENCE = 7.2358 P = 1.0000

MODEL 3. ACH = CAT R2 =792.6652

BETA FOR CR IN MODEL 2 = 11.0487

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

TEACHER COVERED GRADE LEVEL SPELLING

CR VARIABLE A2 ID = 07282
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 =804.9301

DIFFERENCE = 5.0299 P = 1.0000

MODEL 2. ACH = CAT + CR R2 =799.9002

DIFFERENCE = 7.2358 P = 1.0000

MODEL 3. ACH = CAT R2 =792.6652

BETA FOR CR IN MODEL 2 = 11.0487

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

TEACHER COVERED 60-100 PCT OF GRAMMAR MATERIAL

CR VARIABLE A3 ID = 07283
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 =804.9301

DIFFERENCE = 5.0299 P = 1.0000

MODEL 2. ACH = CAT + CR R2 =799.9002

DIFFERENCE = 7.2358 P = 1.0000

MODEL 3. ACH = CAT R2 =792.6652

BETA FOR CR IN MODEL 2 = 11.0487

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

TEACHER COVERED 66-100 PCT OF LITERATURE MATERIAL

CB VARIABLE B4 ID = B7284
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CB + CAT*CB R2 =804.9301

DIFFERENCE = 5.8299 P = 1.0000

MODEL 2. ACH = CAT + CB R2 =799.9002

DIFFERENCE = 7.2358 P = 1.0000

MODEL 3. ACH = CAT R2 =792.6652

BETA FOR CB IN MODEL 2 = 11.8887

HI CB = 0.0000 LO CB = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = 0.0000
LO CAT, HI CB = 0.0000
HI CAT, LO CB = 0.0000
HI CAT, HI CB = 0.0000

USES DISTRICTS ADOPTED MATH TEXT

CB VARIABLE B5 ID = B7285

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .7998

DIFFERENCE = .0098 P = .1864

MODEL 2. ACH = CAT + CB R2 = .7900

DIFFERENCE = .0000 P = .9283

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0854

HI CB = 1.8665 LO CB = .8941

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.9783
LO CAT, HI CB = -.7746
HI CAT, LO CB = .9785
HI CAT, HI CB = .7492

USES HIGHER LEVEL MATERIAL IN ADDITION TO ADOPTED TEXT

CB VARIABLE B6 ID = B7286

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .7904

DIFFERENCE = .0004 P = .7487

MODEL 2. ACH = CAT + CB R2 = .7900

DIFFERENCE = .0001 P = .8752

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0098

HI CB = 1.7228 LO CB = .8289

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.8574
LO CAT, HI CB = -.9287
HI CAT, LO CB = .8717
HI CAT, HI CB = .8832

USES EASIER MATERIALS IN ADDITION TO ADOPTED TEXT

CB VARIABLE B7 ID = B7287

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .8050

DIFFERENCE = .0891 P = .1134

MODEL 2. ACH = CAT + CB R2 = .7959

DIFFERENCE = .0859 P = .2849

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0779

HI CB = 2.0169 LO CB = 1.0175

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.8227
LO CAT, HI CB = -.8767
HI CAT, LO CB = .6640
HI CAT, HI CB = 1.0291

TEACHER BELIEVES GRPS, INDIVIDUALS IN CLASS ACCOMPLISH DESIRED OBJECTIVES

CR VARIABLE 88 ID = 87288
NUMBER OF VALID SCORES = 58

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8224

DIFFERENCE = .0159 P = .0453

MODEL 2: ACH = CAT + CR R2 = .8065

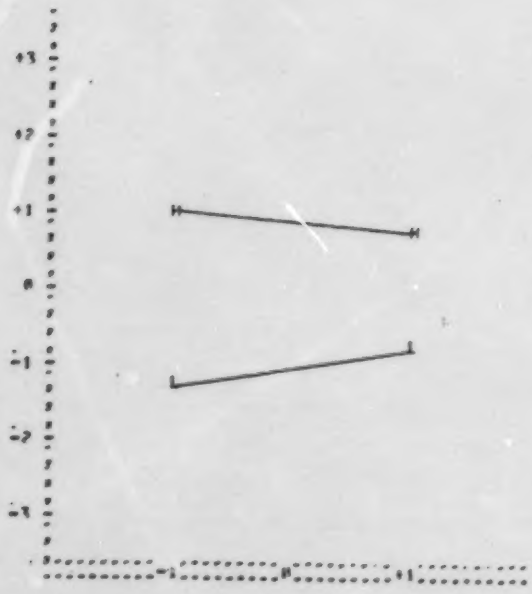
DIFFERENCE = .0024 P = .4568

MODEL 3: ACH = CAT R2 = .8041

BETA FOR CR IN MODEL 2 = .0489

HI CR = 2.0899 LO CR = 1.1181

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.1781
LO CAT, HI CR = -.7598
HI CAT, LO CR = 1.0087
HI CAT, HI CR = .8542



TEACHER EVALUATES SUBGROUPS WITHIN THE CLASS SEPARATELY

CR VARIABLE 89 ID = 87289
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7972

DIFFERENCE = .0010 P = .6193

MODEL 2: ACH = CAT + CR R2 = .7962

DIFFERENCE = .0073 P = .1699

MODEL 3: ACH = CAT R2 = .7888

BETA FOR CR IN MODEL 2 = -.0863

HI CR = 2.1056 LO CR = 1.2115

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8751
LO CAT, HI CR = -.9606
HI CAT, LO CR = 1.0763
HI CAT, HI CR = .7886

English teachers concentrate especially on:

WRITING SKILLS, COMPOSITION, PARAGRAPHS

CR VARIABLE 90 ID = 87290
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 =.0.0000

DIFFERENCE =-79.1078 P = 1.0000

MODEL 2: ACH = CAT + CR R2 =909.6469

DIFFERENCE =120.8184 P = 1.0000

MODEL 3: ACH = CAT R2 =788.8283

BETA FOR CR IN MODEL 2 =+00.7898

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

SPELLING, VOCABULARY

CR VARIABLE 91 ID = 07291
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 =838:5399

DIFFERENCE =-79:1878 P = 1:0000

MODEL 2: ACH = CAT + CR R2 =909:6469

DIFFERENCE =120:8186 P = 1:0000

MODEL 3: ACH = CAT R2 =788:8283

BETA FOR CR IN MODEL 2 =448:7898

HI CR = 0:0000 LO CR = 0:0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0:0000
LO CAT, HI CR = 0:0000
HI CAT, LO CR = 0:0000
HI CAT, HI CR = 0:0000

GRAMMAR, SENTENCE STRUCTURE

CR VARIABLE 92 ID = 07292
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 =838:5399

DIFFERENCE =-79:1878 P = 1:0000

MODEL 2: ACH = CAT + CR R2 =909:6469

DIFFERENCE =120:8186 P = 1:0000

MODEL 3: ACH = CAT R2 =788:8283

BETA FOR CR IN MODEL 2 =448:7898

HI CR = 0:0000 LO CR = 0:0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0:0000
LO CAT, HI CR = 0:0000
HI CAT, LO CR = 0:0000
HI CAT, HI CR = 0:0000

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READING COMPREHENSION, READING SKILLS

CR VARIABLE 93 ID = 07293
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 =838:5399

DIFFERENCE =-79:1878 P = 1:0000

MODEL 2: ACH = CAT + CR R2 =909:6469

DIFFERENCE =120:8186 P = 1:0000

MODEL 3: ACH = CAT R2 =788:8283

BETA FOR CR IN MODEL 2 =448:7898

HI CR = 0:0000 LO CR = 0:0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0:0000
LO CAT, HI CR = 0:0000
HI CAT, LO CR = 0:0000
HI CAT, HI CR = 0:0000

LITERATURE, MYTHOLOGY; EXPOSURE TO, APPRECIATION OF LITERATURE

CR VARIABLE 94 ID = 07294
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 =838:5399

DIFFERENCE =-79:1878 P = 1:0000

MODEL 2: ACH = CAT + CR R2 =909:6469

DIFFERENCE =120:8186 P = 1:0000

MODEL 3: ACH = CAT R2 =788:8283

BETA FOR CR IN MODEL 2 =448:7898

HI CR = 0:0000 LO CR = 0:0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0:0000
LO CAT, HI CR = 0:0000
HI CAT, LO CR = 0:0000
HI CAT, HI CR = 0:0000

VERBAL COMMUNICATION, DISCUSSION ABILITY

CR VARIABLE 95 ID = 07295
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 =.8387.5399

DIFFERENCE =-79.1078 P = 1.0000

MODEL 2. ACH = CAT + CR R2 =.9097.6469

DIFFERENCE =.1280.8186 P = 1.0000

MODEL 3. ACH = CAT R2 =.7887.6283

BETA FOR CR IN MODEL 2 =.4487898

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

SELF-RELIANCE, RESPONSIBILITY, INDEPENDENCE, ETC.

CR VARIABLE 96 ID = 07296
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 =.8387.5399

DIFFERENCE =-79.1078 P = 1.0000

MODEL 2. ACH = CAT + CR R2 =.9097.6469

DIFFERENCE =.1280.8186 P = 1.0000

MODEL 3. ACH = CAT R2 =.7887.6283

BETA FOR CR IN MODEL 2 =.4487898

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

OTHER: LIBRARY RESEARCH, DICTIONARY, SEE RELEVANCE OF CLASSWORK

CR VARIABLE 97 ID = 07297
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 =.8387.5399

DIFFERENCE =-79.1078 P = 1.0000

MODEL 2. ACH = CAT + CR R2 =.9097.6469

DIFFERENCE =.1280.8186 P = 1.0000

MODEL 3. ACH = CAT R2 =.7887.6283

BETA FOR CR IN MODEL 2 =.4487898

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

Math teachers concentrate especially on:

BASIC OPERATIONS WITH DECIMALS, PERCENTS, FRACTIONS

CR VARIABLE 98 ID = 07298

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .8864

DIFFERENCE = .0041 P = .1345

MODEL 2. ACH = CAT + CR R2 = .7987

DIFFERENCE = .0000 P = .1232

MODEL 3. ACH = CAT R2 = .7908

BETA FOR CR IN MODEL 2 = .0991

HI CR = 2.1385 LO CR = 1.1799

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.9508
LO CAT, HI CR = -.9428
HI CAT, LO CR = .8163
HI CAT, HI CR = 1.1986

GEOMETRY, ALGEBRA, HIGH SCHOOL PREPARATION

CR VARIABLE 99 ID = 87299

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8027

DIFFERENCE = .0055 P = .2230

MODEL 2: ACH = CAT + CR R2 = .7972

DIFFERENCE = .0872 P = .1648

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .8854

HI CR = 1.6120 LO CR = .8818

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8833
LO CAT, HI CR = -.9520
HI CAT, LO CR = .7277
HI CAT, HI CR = 1.8646

UNDERSTANDING MATH, RELATING TO REAL WORLD

CR VARIABLE 100 ID = 87300

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7995

DIFFERENCE = .0000 P = .9706

MODEL 2: ACH = CAT + CR R2 = .7995

DIFFERENCE = .0895 P = .1877

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .1001

HI CR = 1.6120 LO CR = .8818

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8184
LO CAT, HI CR = -1.8155
HI CAT, LO CR = 1.8118
HI CAT, HI CR = .8127

PERSONAL AND INTELLECTUAL GROWTH

CR VARIABLE 1 ID = 87301

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8007

DIFFERENCE = .0105 P = .0931

MODEL 2: ACH = CAT + CR R2 = .7902

DIFFERENCE = .0002 P = .8880

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .8163

HI CR = 1.5502 LO CR = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.8507
LO CAT, HI CR = -.7778
HI CAT, LO CR = 1.8236
HI CAT, HI CR = .9527

Teacher concentrates on the above skills because:

IMPORTANT FOR LATER LIFE

CR VARIABLE 2 ID = 87302
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7908

DIFFERENCE = .0002 P = .8813

MODEL 2: ACH = CAT + CR R2 = .7906

DIFFERENCE = .0017 P = .5170

MODEL 3: ACH = CAT R2 = .7888

BETA FOR CR IN MODEL 2 = .8425

HI CR = 2.0000 LO CR = 1.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9508
LO CAT, HI CR = -.8338
HI CAT, LO CR = .8628
HI CAT, HI CR = .9091

IMPORTANT FOR OTHER CLASSES, HIGH SCHOOL, COLLEGE

CR VARIABLE 3 ID = 07303
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8129

DIFFERENCE = .0007 P = .6597

MODEL 2: ACH = CAT + CR R2 = .8122

DIFFERENCE = .8234 P = .0129

MODEL 3: ACH = CAT R2 = .7888

BETA FOR CR IN MODEL 2 = .1574

HI CR = 1.0812 LO CR = .9805

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9735
LO CAT, HI CR = -.7134
HI CAT, LO CR = .6428
HI CAT, HI CR = 1.0150

NEEDED THIS MOST; HAD BEEN NEGLECTED; WERE FAR BEHIND

CR VARIABLE 4 ID = 07304
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8288

DIFFERENCE = .0008 P = .6381

MODEL 2: ACH = CAT + CR R2 = .8272

DIFFERENCE = .0184 P = .0015

MODEL 3: ACH = CAT R2 = .7888

BETA FOR CR IN MODEL 2 = -.1985

HI CR = 1.0264 LO CR = .8048

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8344
LO CAT, HI CR = -1.0996
HI CAT, LO CR = .5281
HI CAT, HI CR = .7937

OF DISTRICT GUIDELINES, STANDARD OBJECTIVE, ETC.

CR VARIABLE 5 ID = 07305
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8171

DIFFERENCE = .0002 P = .8437

MODEL 2: ACH = CAT + CR R2 = .8169

DIFFERENCE = .0281 P = .0065

MODEL 3: ACH = CAT R2 = .7888

BETA FOR CR IN MODEL 2 = .1681

HI CR = 1.2213 LO CR = .8501

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.1458
LO CAT, HI CR = -.8138
HI CAT, LO CR = .7299
HI CAT, HI CR = 1.0073

OTHER; EXPAND INTELLECT; LAST CHANCE TO GET IT, PERSONAL REASONS, ETC.

CR VARIABLE 6 ID = 07306
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8093

DIFFERENCE = .0005 P = .7101

MODEL 2: ACH = CAT + CR R2 = .8088

DIFFERENCE = .0200 P = .0217

MODEL 3: ACH = CAT R2 = .7888

BETA FOR CR IN MODEL 2 = -.1497

HI CR = 1.6830 LO CR = .8178

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8282
LO CAT, HI CR = -1.0701
HI CAT, LO CR = .5274
HI CAT, HI CR = .7916

Teacher assigns less importance to:

GRAMMAR, LINGUISTICS

CR VARIABLE 7 ID = 07307
NUMBER OF VALID SCORES = 2

MODEL 1: ACH = CAT + CR + CAT*CR R2 = 1.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2: ACH = CAT + CR R2 = 1.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3: ACH = CAT R2 = 1.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 1.0000 LO CR = 1.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0000
LO CAT, HI CR = -1.0000
HI CAT, LO CR = 1.0000
HI CAT, HI CR = 1.0000

LEARNING OR MEMORIZATION OF SPECIFIC FACTS

CR VARIABLE 8 ID = 07308
NUMBER OF VALID SCORES = 2

MODEL 1: ACH = CAT + CR + CAT*CR R2 = 1.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2: ACH = CAT + CR R2 = 1.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3: ACH = CAT R2 = 1.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 1.0000 LO CR = 1.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0000
LO CAT, HI CR = -1.0000
HI CAT, LO CR = 1.0000
HI CAT, HI CR = 1.0000

SPELLING, VOCABULARY, LITERATURE

CR VARIABLE 9 ID = 07309
NUMBER OF VALID SCORES = 2

MODEL 1: ACH = CAT + CR + CAT*CR R2 = 1.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2: ACH = CAT + CR R2 = 1.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3: ACH = CAT R2 = 1.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 1.0000 LO CR = 1.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0000
LO CAT, HI CR = -1.0000
HI CAT, LO CR = 1.0000
HI CAT, HI CR = 1.0000

GEOMETRY, ALGEBRA, TRIG

CR VARIABLE 10 ID = 07310
NUMBER OF VALID SCORES = 82

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .6366

DIFFERENCE = .0057 P = .4504

MODEL 2: ACH = CAT + CR R2 = .6309

DIFFERENCE = .0043 P = .5128

MODEL 3: ACH = CAT R2 = .6266

BETA FOR CR IN MODEL 2 = -.0673

HI CR = 2.1047 LO CR = 1.1344

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7091
LO CAT, HI CR = -.9883
HI CAT, LO CR = .8806
HI CAT, HI CR = .8241

VARIOUS NUMBER BASE SYSTEMS

CR VARIABLE 11 ID = 07311
NUMBER OF VALID SCORES = 42

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .6268

DIFFERENCE = .0000 P = .9768

MODEL 2: ACH = CAT + CR R2 = .6268

DIFFERENCE = .0001 P = .8987

MODEL 3: ACH = CAT R2 = .6266

BETA FOR CR IN MODEL 2 = .0121

HI CR = 1.7375 LO CR = .8340

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8077
LO CAT, HI CR = -.7779
HI CAT, LO CR = .7838
HI CAT, HI CR = .7995

NUMBER THEORY, PROBABILITY, STATISTICS, SETS, PROPERTIES

CR VARIABLE 12 ID = 07312
NUMBER OF VALID SCORES = 42

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .6418

DIFFERENCE = .0004 P = .8378

MODEL 2: ACH = CAT + CR R2 = .6414

DIFFERENCE = .0148 P = .2184

MODEL 3: ACH = CAT R2 = .6266

BETA FOR CR IN MODEL 2 = -.1215

HI CR = 1.8847 LO CR = .8619

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.6538
LO CAT, HI CR = -.9618
HI CAT, LO CR = .8966
HI CAT, HI CR = .7195

Other: %, Fractions, Decimals, etc.

CR VARIABLE 13 ID = 07313
NUMBER OF VALID SCORES = 40

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .6544

DIFFERENCE = .0047 P = .4935

MODEL 2: ACH = CAT + CR R2 = .6497

DIFFERENCE = .0000 P = .9486

MODEL 3: ACH = CAT R2 = .6497

BETA FOR CR IN MODEL 2 = .0064

HI CR = 1.8899 LO CR = .9191

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8975
LO CAT, HI CR = -.7581
HI CAT, LO CR = .8604
HI CAT, HI CR = .7189

Teacher assigns less importance because:

Less Important for Later Life

CR VARIABLE 14 ID = 07314
NUMBER OF VALID SCORES = 40

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .6378

DIFFERENCE = .0028 P = .6092

MODEL 2: ACH = CAT + CR R2 = .6342

DIFFERENCE = .0062 P = .4385

MODEL 3: ACH = CAT R2 = .6280

BETA FOR CR IN MODEL 2 = -.0789

HI CR = 2.0000 LO CR = 1.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7585
LO CAT, HI CR = -.8142
HI CAT, LO CR = .9161
HI CAT, HI CR = .6518

OF LACK OF TIME

```
CB VARIABLE 15      ID = 07315
NUMBER OF VALID SCORES =    40

MODEL 1: ACH = CAT + CB + CAT*CB   R2 =   .6418

   DIFFERENCE =   .0124   P =   .2701

MODEL 2: ACH = CAT + CB            R2 =   .6294

   DIFFERENCE =   .0014   P =   .7111

MODEL 3: ACH = CAT                 R2 =   .6280

BETA FOR CB IN MODEL 2 =   .0392

HI CB =    1.5871   LO CB =    .7929

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CB =   -.4619
   LO CAT, HI CB =  -1.0038
   HI CAT, LO CB =    .4647
   HI CAT, HI CB =    .8481
```

TOO DIFFICULT, ABSTRACT, STUDENTS NOT PREPARED

```
CB VARIABLE 16      ID = 07316
NUMBER OF VALID SCORES =    40

MODEL 1: ACH = CAT + CB + CAT*CB   R2 =   .6856

   DIFFERENCE =   .0245   P =   .0991

MODEL 2: ACH = CAT + CB            R2 =   .6611

   DIFFERENCE =   .0331   P =   .0418

MODEL 3: ACH = CAT                 R2 =   .6280

BETA FOR CB IN MODEL 2 =   .1890

HI CB =    1.6888   LO CB =    .8888

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CB =   -.7450
   LO CAT, HI CB =  -1.8074
   HI CAT, LO CB =    .8172
   HI CAT, HI CB =   1.9927
```


MEMORIZING NOT AS IMPORTANT AS UNDERSTANDING CONCEPTS

```
CB VARIABLE 17      ID = 07317
NUMBER OF VALID SCORES =    40

MODEL 1: ACH = CAT + CB + CAT*CB   R2 =   .6674

   DIFFERENCE =   .0016   P =   .6841

MODEL 2: ACH = CAT + CB            R2 =   .6658

   DIFFERENCE =   .0378   P =   .0454

MODEL 3: ACH = CAT                 R2 =   .6280

BETA FOR CB IN MODEL 2 =   .1979

HI CB =    1.2479   LO CB =    .8321

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CB =  -1.0184
   LO CAT, HI CB =   -.6458
   HI CAT, LO CB =    .5188
   HI CAT, HI CB =   1.1954
```

STUDENTS DONT NEED IT NOW; ALREADY HAD IT; GET IT LATER

```
CB VARIABLE 18      ID = 07318
NUMBER OF VALID SCORES =    40

MODEL 1: ACH = CAT + CB + CAT*CB   R2 =   .6984

   DIFFERENCE =   .0302   P =   .0427

MODEL 2: ACH = CAT + CB            R2 =   .6683

   DIFFERENCE =   .0403   P =   .0285

MODEL 3: ACH = CAT                 R2 =   .6280

BETA FOR CB IN MODEL 2 =  -.2009

HI CB =    1.6800   LO CB =    .8000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CB =   -.8124
   LO CAT, HI CB =  -1.9454
   HI CAT, LO CB =   1.2126
   HI CAT, HI CB =    .5216
```

ALL AREAS ARE IMPORTANT; NOW GIVEN LESS IMPORTANCE

CR VARIABLE 19 ID = 07319
NUMBER OF VALID SCORES = 46

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8068

DIFFERENCE = .0018 P = .6444

MODEL 2: ACH = CAT + CR R2 = .8050

DIFFERENCE = .0068 P = .2227

MODEL 3: ACH = CAT R2 = .7989

BETA FOR CR IN MODEL 2 = -.0892

HI CR = 1.0672 LO CR = .7937

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7852
LO CAT, HI CR = -1.0260
HI CAT, LO CR = .9619
HI CAT, HI CR = .8144

OTHERS MATERIAL FORGOTTEN QUICKLY; TRY NOT TO PUSH TOO HARD, ETC.

CR VARIABLE 20 ID = 07320
NUMBER OF VALID SCORES = 48

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .6964

DIFFERENCE = .0003 P = .8510

MODEL 2: ACH = CAT + CR R2 = .6961

DIFFERENCE = .0681 P = .0066

MODEL 3: ACH = CAT R2 = .6280

BETA FOR CR IN MODEL 2 = .2658

HI CR = 1.2679 LO CR = .8321

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0678
LO CAT, HI CR = -.7848
HI CAT, LO CR = .9834
HI CAT, HI CR = 1.0001

Teacher sees as advantages to busing:

ACHIEVES DESIRED GOALS FOR MINORITIES

CR VARIABLE 21 ID = 07321

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8152

DIFFERENCE = .0215 P = .0145

MODEL 2: ACH = CAT + CR R2 = .7937

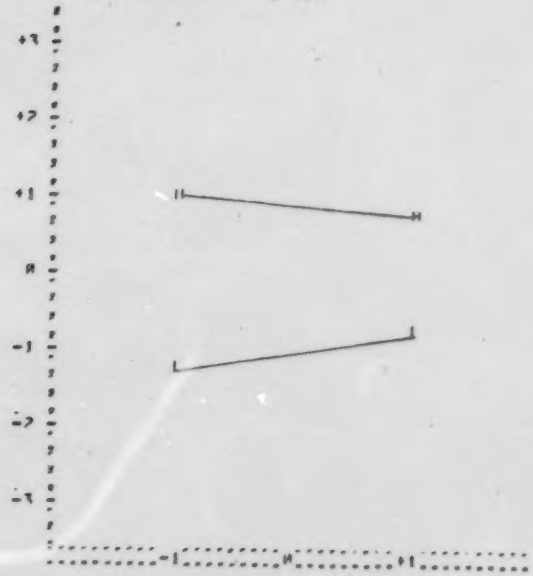
DIFFERENCE = .0037 P = .3259

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0614

HI CR = 3.0171 LO CR = 1.2387

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.2014
LO CAT, HI CR = -.6939
HI CAT, LO CR = 1.1230
HI CAT, HI CR = .4714



EXPOSES STUDENTS TO DIFFERENT IDEAS, CULTURE, LIFESTYLE

CR VARIABLE 22 ID = #7322
NUMBER OF VALID SCORES = 54

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7975

DIFFERENCE = .0078 P = .1907

MODEL 2. ACH = CAT + CR R2 = .7908

DIFFERENCE = .0000 P = .9986

MODEL 3. ACH = CAT R2 = .7904

BETA FOR CR IN MODEL 2 = .0041

HI CR = 2.1381 LO CR = 1.1953

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.9868
LO CAT, HI CR = -.8496
HI CAT, LO CR = 1.0193
HI CAT, HI CR = .8196

BREAKS DOWN PREJUDICE; KIDS LEARN TOLERANCE, UNDERSTANDING

CR VARIABLE 23 ID = #7323
NUMBER OF VALID SCORES = 54

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7948

DIFFERENCE = .0039 P = .3366

MODEL 2. ACH = CAT + CR R2 = .7906

DIFFERENCE = .0001 P = .8582

MODEL 3. ACH = CAT R2 = .7904

BETA FOR CR IN MODEL 2 = .0110

HI CR = 1.5736 LO CR = .7967

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.8335
LO CAT, HI CR = -.9922
HI CAT, LO CR = .8155
HI CAT, HI CR = 1.0087

MINORITIES GET BETTER EDUCATION, FACILITIES; MORE OPPORTUNITIES

CR VARIABLE 24 ID = #7324
NUMBER OF VALID SCORES = 54

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .8094

DIFFERENCE = .0187 P = .0295

MODEL 2. ACH = CAT + CR R2 = .7908

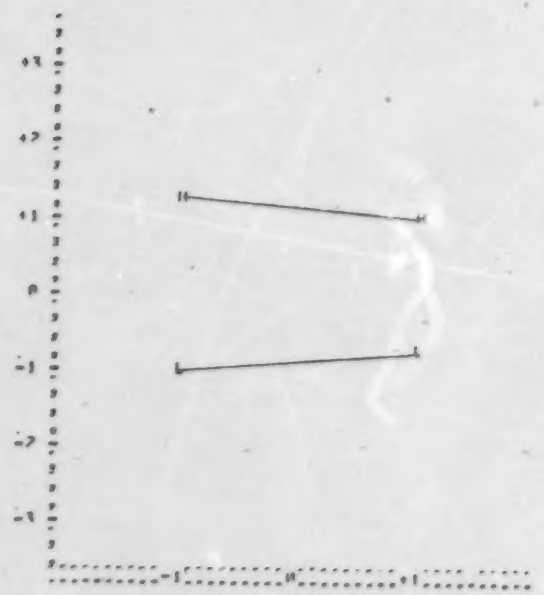
DIFFERENCE = .0001 P = .7751

MODEL 3. ACH = CAT R2 = .7904

BETA FOR CR IN MODEL 2 = .0208

HI CR = 1.7529 LO CR = .8397

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -1.0868
LO CAT, HI CR = -.7378
HI CAT, LO CR = 1.1362
HI CAT, HI CR = .9248



Teacher Sees No Advantages in Busing

CR VARIABLE 25 ID = #7325
NUMBER OF VALID SCORES = 54

MODEL 1, ACH = CAT + CR + CAT*CR R2 = .8129

DIFFERENCE = .0188 P = .0311

MODEL 2, ACH = CAT + CR R2 = .7944

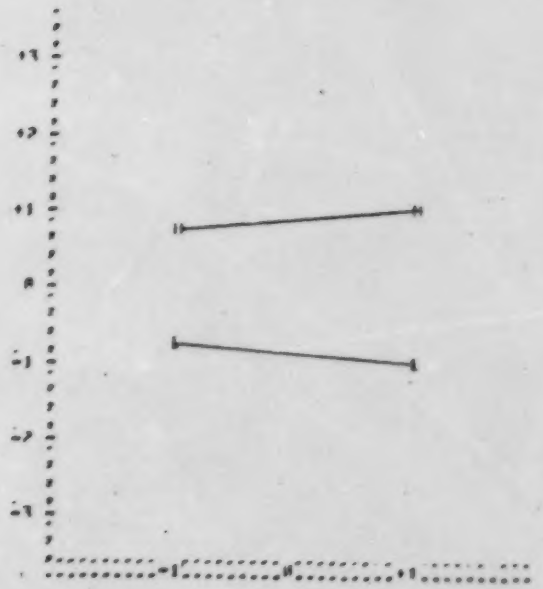
DIFFERENCE = .0039 P = .3298

MODEL 3, ACH = CAT R2 = .7904

BETA FOR CR IN MODEL 2 = -.0615

HI CR = 1.5736 LO CR = .7967

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CR = -.6983
LO CAT, HI CR = -1.0417
HI CAT, LO CR = .7981
HI CAT, HI CR = 1.0472



OTHERS SATISFIES COURTS; POLITICAL ADVANTAGES; INTEGRATES NEIGHBORHOOD

CR VARIABLE 26 ID = #7326
NUMBER OF VALID SCORES = 54

MODEL 1, ACH = CAT + CR + CAT*CR R2 = .8129

DIFFERENCE = .0173 P = .0344

MODEL 2, ACH = CAT + CR R2 = .7957

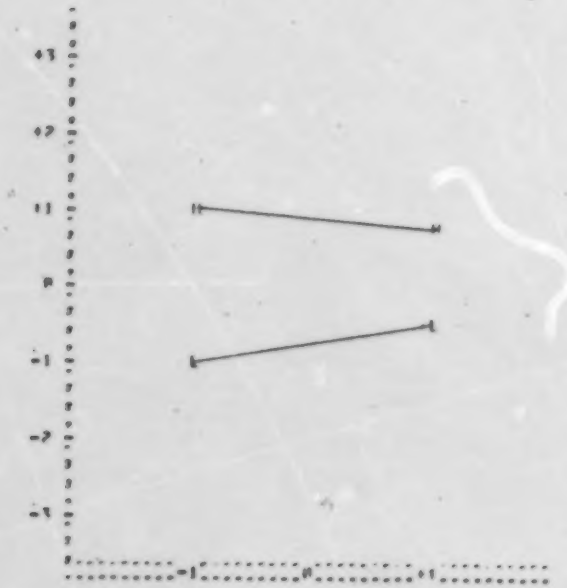
DIFFERENCE = .0052 P = .2578

MODEL 3, ACH = CAT R2 = .7904

BETA FOR CR IN MODEL 2 = .0724

HI CR = 1.5736 LO CR = .7967

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CR = -1.1038
LO CAT, HI CR = -.5455
HI CAT, LO CR = .9429
HI CAT, HI CR = .7425



Teacher sees as disadvantages to busing:

TIME SPENT ON BUSSES MAKES KIDS TIRED, UPSET; HAVE TO COME SO FAR

CR VARIABLE 27 ID = 87327

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7988

DIFFERENCE = .0000 P = .9897

MODEL 2: ACH = CAT + CR R2 = .7988

DIFFERENCE = .0000 P = .9637

MODEL 3: ACH = CAT R2 = .7988

BETA FOR CR IN MODEL 2 = .0029

HI CR = 1.7738 LO CR = .8077

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8998
LO CAT, HI CR = -.8794
HI CAT, LO CR = .8977
HI CAT, HI CR = .8989

DOWNGRADES EDUCATION; HURTS CAPABLE KIDS

CR VARIABLE 28 ID = 87328

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7989

DIFFERENCE = .0005 P = .2756

MODEL 2: ACH = CAT + CR R2 = .7984

DIFFERENCE = .0044 P = .2817

MODEL 3: ACH = CAT R2 = .7988

BETA FOR CR IN MODEL 2 = -.0665

HI CR = 1.4828 LO CR = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8958
LO CAT, HI CR = -.8377
HI CAT, LO CR = 1.0848
HI CAT, HI CR = .6361

MINORITIES FEEL INFERIOR, FRUSTRATED COMPETING W/ADVANTAGED WHITES

CR VARIABLE 29 ID = 87329

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8069

DIFFERENCE = .0157 P = .0386

MODEL 2: ACH = CAT + CR R2 = .7912

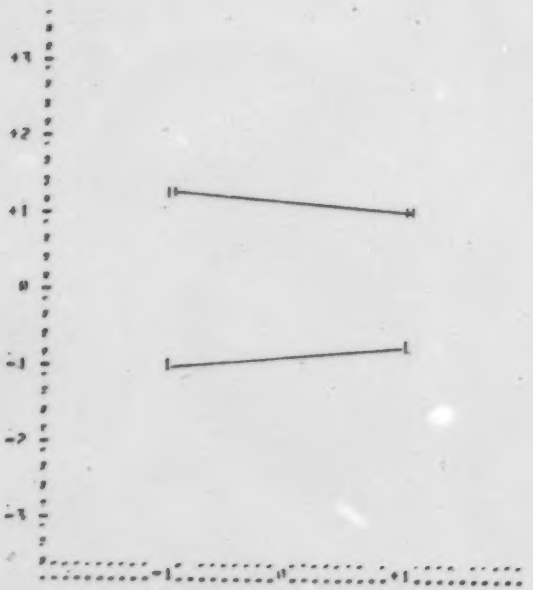
DIFFERENCE = .0013 P = .5699

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0385

HI CR = 1.6693 LO CR = .8135

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0000
LO CAT, HI CR = -.8444
HI CAT, LO CR = 1.1595
HI CAT, HI CR = .8936



KIDS, PARENTS CANT BE IN EXTRA-CURRICULAR ACTIVITIES, PTA, ETC.

CB VARIABLE 30 ID = 07330

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7981

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2: ACH = CAT + CB R2 = .7981

DIFFERENCE = .0003 P = .8698

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0898

HI CB = 1.6120 LO CB = .8818

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8798
LO CAT, HI CB = -.8995
HI CAT, LO CB = .8995
HI CAT, HI CB = .8798

DESTROYS NEIGHBORHOOD CONCEPT; KIDS DONT IDENTIFY W/NEW SCHOOL

CB VARIABLE 31 ID = 07331

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .8069

DIFFERENCE = .0035 P = .3251

MODEL 2: ACH = CAT + CB R2 = .8034

DIFFERENCE = .0134 P = .0548

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .1158

HI CB = 1.8645 LO CB = .8941

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -1.1023
LO CAT, HI CB = -.7493
HI CAT, LO CB = .8685
HI CAT, HI CB = .9793

BUSED KIDS FEEL ANGRY, RESENTFUL; HOLD NEGATIVE ATTITUDES

CB VARIABLE 32 ID = 07332

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .8082

DIFFERENCE = .0013 P = .5557

MODEL 2: ACH = CAT + CB R2 = .8069

DIFFERENCE = .0169 P = .0303

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.1317

HI CB = 1.4828 LO CB = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7713
LO CAT, HI CB = -.9418
HI CAT, LO CB = 1.8671
HI CAT, HI CB = .6006

CAUSES DISRUPTION, TENSION, RACIAL CONFLICT

CB VARIABLE 33 ID = #7333

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .8126

DIFFERENCE = .0180 P = .0253

MODEL 2: ACH = CAT + CB R2 = .7946

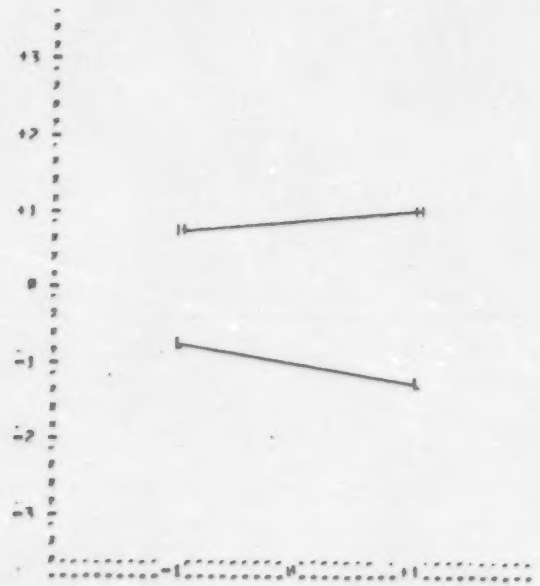
DIFFERENCE = .0846 P = .2699

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0681

HI CB = 1.6120 LO CB = .8018

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.6904
LO CAT, HI CB = -1.1448
HI CAT, LO CB = .8242
HI CAT, HI CB = 1.0184



ONE-WAY BUSING WONT WORK; UNFAIR; ONLY BLACKS ARE BUSED

CB VARIABLE 34 ID = #7334

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .8166

DIFFERENCE = .0263 P = .0874

MODEL 2: ACH = CAT + CB R2 = .7903

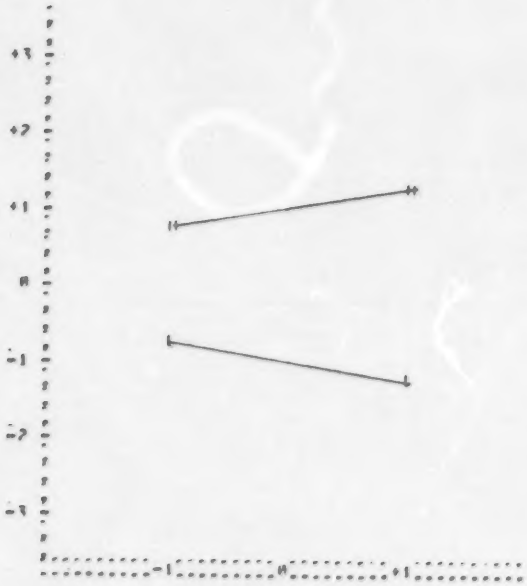
DIFFERENCE = .0004 P = .7518

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0196

HI CB = 1.6120 LO CB = .8018

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7325
LO CAT, HI CB = -1.2619
HI CAT, LO CB = .6745
HI CAT, HI CB = 1.1648



OTHERS BLACKS MISS OUT ON OWN CULTURE TEACHER CANT COPE; ISNT HELPING

CB VARIABLE 35 ID = 07335

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7973

DIFFERENCE = .0013 P = .5402

MODEL 2: ACH = CAT + CB R2 = .7959

DIFFERENCE = .0068 P = .2067

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0779

HI CB = 1.4088 LO CB = .7989

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9411
LO CAT, HI CB = -.8697
HI CAT, LO CB = .7579
HI CAT, HI CB = 1.0827

WORKS WITH FELLOW TEACHERS IN HER SUBJECT MATTER

CB VARIABLE 36 ID = 07336
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .8088

DIFFERENCE = .0183 P = .0282

MODEL 2: ACH = CAT + CB R2 = .7905

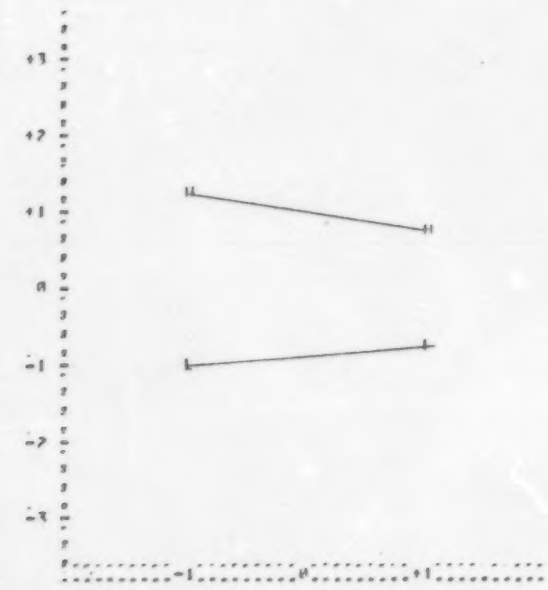
DIFFERENCE = .0016 P = .5312

MODEL 3: ACH = CAT R2 = .7888

BETA FOR CB IN MODEL 2 = -.0410

HI CB = 2.3789 LO CB = .8354

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -1.0383
LO CAT, HI CB = -.8237
HI CAT, LO CB = 1.2139
HI CAT, HI CB = .8067



Teacher interacts with other teachers by:

SHARING IDEAS, MATERIALS; PLANNING UNITS

CR VARIABLE 37 ID = #7337
NUMBER OF VALID SCORES = 34

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8265

DIFFERENCE = .0094 P = .2092

MODEL 2: ACH = CAT + CR R2 = .8171

DIFFERENCE = .0094 P = .2143

MODEL 3: ACH = CAT R2 = .8077

BETA FOR CR IN MODEL 2 = .8996

HI CR = 2.1249 LO CR = 1.1692

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.1580
LO CAT, HI CR = -.7480
HI CAT, LO CR = 1.1341
HI CAT, HI CR = .8927

FORMAL STRUCTURED MEETINGS, CURRICULUM DAY; DEPARTMENT MEETINGS

CR VARIABLE 38 ID = #7338
NUMBER OF VALID SCORES = 34

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8229

DIFFERENCE = .0000 P = .9813

MODEL 2: ACH = CAT + CR R2 = .8229

DIFFERENCE = .0152 P = .1894

MODEL 3: ACH = CAT R2 = .8077

BETA FOR CR IN MODEL 2 = -.1292

HI CR = 1.6595 LO CR = .8111

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8181
LO CAT, HI CR = -1.0661
HI CAT, LO CR = 1.0689
HI CAT, HI CR = .8086

MEETING INFORMALLY IN LOUNGE, RAPPING IN HALLS

CR VARIABLE 39 ID = #7339
NUMBER OF VALID SCORES = 34

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8297

DIFFERENCE = .0073 P = .2462

MODEL 2: ACH = CAT + CR R2 = .8224

DIFFERENCE = .0147 P = .1157

MODEL 3: ACH = CAT R2 = .8077

BETA FOR CR IN MODEL 2 = .1251

HI CR = 1.7498 LO CR = .8385

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9808
LO CAT, HI CR = -.8768
HI CAT, LO CR = .7225
HI CAT, HI CR = 1.2368

CONTACT LIMITED BY COMMUNITY/TEAM STRUCTURE OF FACULTY

CR VARIABLE 40 ID = #7340
NUMBER OF VALID SCORES = 34

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8391

DIFFERENCE = .0072 P = .2537

MODEL 2: ACH = CAT + CR R2 = .8319

DIFFERENCE = .0241 P = .0487

MODEL 3: ACH = CAT R2 = .8077

BETA FOR CR IN MODEL 2 = .1572

HI CR = 1.9697 LO CR = .9715

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0836
LO CAT, HI CR = -1.0038
HI CAT, LO CR = .7537
HI CAT, HI CR = 1.4188

HAS SUPERVISORY ROLE: DEPARTMENT CHAIRMAN, COORDINATOR, ETC.

CR VARIABLE 41 ID = 07341
NUMBER OF VALID SCORES = 30

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .8077

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2. ACH = CAT + CR R2 = .8077

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3. ACH = CAT R2 = .8077

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 1.0000 LO CR = 1.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.8987
LO CAT, HI CR = -.8987
HI CAT, LO CR = .8987
HI CAT, HI CR = .8987

Teacher works with school counselor:

AS LITTLE AS POSSIBLE OR NOT AT ALL

CR VARIABLE 42 ID = 07342

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7911

DIFFERENCE = .0001 P = .8947

MODEL 2. ACH = CAT + CR R2 = .7911

DIFFERENCE = .0011 P = .5994

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0133

HI CR = 1.6693 LO CR = .8135

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.8665
LO CAT, HI CR = -.9175
HI CAT, LO CR = .9329
HI CAT, HI CR = .8536

FOR ACADEMIC SCHEDULING, CHOOSING HIGH SCHOOL COURSES

CR VARIABLE 43 ID = 07343

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7986

DIFFERENCE = .0021 P = .8637

MODEL 2. ACH = CAT + CR R2 = .7965

DIFFERENCE = .0066 P = .1857

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0818

HI CR = 1.6828 LO CR = .7931

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.7535
LO CAT, HI CR = -1.0515
HI CAT, LO CR = .9075
HI CAT, HI CR = .9096

FOR REFERRING BEHAVIOR OR EMOTIONAL PROBLEMS FOR COUNSELING

CR VARIABLE 44 ID = 07344

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7917

DIFFERENCE = .0015 P = .5088

MODEL 2. ACH = CAT + CR R2 = .7902

DIFFERENCE = .0002 P = .8198

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0145

HI CR = 1.9863 LO CR = .9213

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.8169
LO CAT, HI CR = -.9258
HI CAT, LO CR = .8858
HI CAT, HI CR = .8962

TO GET ADVICE, BACKGROUND INFORMATION, TEST DATA ON STUDENTS

CR VARIABLE 45 ID = #7345

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .8097

DIFFERENCE = .0076 P = .1435

MODEL 2: ACH = CAT + CB R2 = .8021

DIFFERENCE = .0121 P = .0484

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.1133

HI CB = 1.9956 LO LB = .9518

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.6908
LO CAT, HI CB = -1.1148
HI CAT, LO CB = .9301
HI CAT, HI CB = .9982

COUNSELOR ILADS GROUP DISCUSSION, HUMAN RELATIONS PROGRAM, CAREERS

CR VARIABLE 46 ID = #7346

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7927

DIFFERENCE = .0025 P = .4308

MODEL 2: ACH = CAT + CB R2 = .7903

DIFFERENCE = .0003 P = .7755

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0176

HI CB = 1.6828 LO LB = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9628
LO CAT, HI CB = -.7762
HI CAT, LO CB = .9739
HI CAT, HI CB = .6995

COUNSELOR HAS CONFERENCES WITH TEACHER, STUDENT, PARENT

CR VARIABLE 47 ID = #7347

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .8028

DIFFERENCE = .0013 P = .5622

MODEL 2: ACH = CAT + CB R2 = .8007

DIFFERENCE = .0107 P = .0071

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .1037

HI CB = 1.7228 LO LB = .8289

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.9573
LO CAT, HI CB = -.9082
HI CAT, LO CB = .7479
HI CAT, HI CB = 1.1251

OTHER: WORK W/ COUNSELOR DURING RETREATS, OVER LUNCH, ETC.

CR VARIABLE 48 ID = #7348

MODEL 1: ACH = CAT + CB + CAT*CB R2 = .7904

DIFFERENCE = .0004 P = .7531

MODEL 2: ACH = CAT + CB R2 = .7908

DIFFERENCE = .0001 P = .8736

MODEL 3: ACH = CAT R2 = .7908

BETA FOR CB IN MODEL 2 = .0095

HI CB = 1.5582 LO LB = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.8745
LO CAT, HI CB = -.9228
HI CAT, LO CB = .8589
HI CAT, HI CB = .9517

TEACHER HAS HAD A STUDENT TEACHER

CR VARIABLE 49 ID # 07349

MODEL 1, ACH = CAT + CR + CAT*CR R2 = .7958

DIFFERENCE = .0035 P = .3431

MODEL 2, ACH = CAT + CR R2 = .7923

DIFFERENCE = .0025 P = .4439

MODEL 3, ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0480

HI CR = 1.9825 LO CR = .9831

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0011
LO CAT, HI CR = -.7832
HI CAT, LO CR = .9529
HI CAT, HI CR = .8967

Advantages of having a student teacher:

GET NEW IDEAS, LEARN FROM THEM

CR VARIABLE 50 ID # 07350
NUMBER OF VALID SCORES = 32

MODEL 1, ACH = CAT + CR + CAT*CR R2 = .8328

DIFFERENCE = .0007 P = .7486

MODEL 2, ACH = CAT + CR R2 = .8321

DIFFERENCE = .0120 P = .1569

MODEL 3, ACH = CAT R2 = .8201

BETA FOR CR IN MODEL 2 = .1387

HI CR = 1.7760 LO CR = -.8490

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0241
LO CAT, HI CR = -.7872
HI CAT, LO CR = .7994
HI CAT, HI CR = .9548

MORE TEACHING CAPACITY; DOUBLES TEACHER-STUDENT RATIO

CR VARIABLE 51 ID # 07351
NUMBER OF VALID SCORES = 32

MODEL 1, ACH = CAT + CR + CAT*CR R2 = .8309

DIFFERENCE = .0002 P = .8461

MODEL 2, ACH = CAT + CR R2 = .8307

DIFFERENCE = .0106 P = .1858

MODEL 3, ACH = CAT R2 = .8201

BETA FOR CR IN MODEL 2 = .1031

HI CR = 2.0000 LO CR = 1.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0217
LO CAT, HI CR = -.7765
HI CAT, LO CR = .8146
HI CAT, HI CR = .9781

TEACHER HAS MORE TIME FOR PLANNING, CLERICAL WORK

CR VARIABLE 52 ID # 07352
NUMBER OF VALID SCORES = 32

MODEL 1, ACH = CAT + CR + CAT*CR R2 = .8228

DIFFERENCE = .0017 P = .6157

MODEL 2, ACH = CAT + CR R2 = .8211

DIFFERENCE = .0010 P = .6926

MODEL 3, ACH = CAT R2 = .8201

BETA FOR CR IN MODEL 2 = .0316

HI CR = 1.7760 LO CR = .8490

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9929
LO CAT, HI CR = -.9394
HI CAT, LO CR = .8593
HI CAT, HI CR = 1.0061

PROFESSIONAL DUTY TO HELP NEW TEACHERS; GOOD, REWARDING FEELINGS

```
CB VARIABLE 53      ID = 07353
NUMBER OF VALID SCORES =    32

MODEL 1: ACH = CAT + CB + CAT*CB   R2 =   .8288

   DIFFERENCE =   .0023   P =   .5540

MODEL 2: ACH = CAT + CB            R2 =   .8266

   DIFFERENCE =   .0065   P =   .3081

MODEL 3: ACH = CAT                 R2 =   .8201

BETA FOR CB IN MODEL 2 =  -.0821

HI CB =    1.5778   LO CB =     .7972

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CB =    -.9155
   LO CAT, HI CB =    -.8282
   HI CAT, LO CB =    1.0403
   HI CAT, HI CB =     .7735
```

GOOD FOR KIDS TO BE EXPOSED TO NEW PERSON, DIFFERENT TECHNIQUES

```
CB VARIABLE 54      ID = 07354
NUMBER OF VALID SCORES =    32

MODEL 1: ACH = CAT + CB + CAT*CB   R2 =   .8506

   DIFFERENCE =   .0000   P =   .9683

MODEL 2: ACH = CAT + CB            R2 =   .8506

   DIFFERENCE =   .0305   P =   .0282

MODEL 3: ACH = CAT                 R2 =   .8201

BETA FOR CB IN MODEL 2 =  -.1778

HI CB =    1.5778   LO CB =     .7972

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CB =    -.6429
   LO CAT, HI CB =   -1.0537
   HI CAT, LO CB =    1.0471
   HI CAT, HI CB =     .7025
```


OTHERS SEE HOW KIDS REACT WITH SOMEONE ELSE, ETC.

```
CB VARIABLE 55      ID = 07355
NUMBER OF VALID SCORES =    32

MODEL 1: ACH = CAT + CB + CAT*CB   R2 =   .8210

   DIFFERENCE =   .0006   P =   .7589

MODEL 2: ACH = CAT + CB            R2 =   .8204

   DIFFERENCE =   .0003   P =   .8154

MODEL 3: ACH = CAT                 R2 =   .8201

BETA FOR CB IN MODEL 2 =   .0161

HI CB =    2.0000   LO CB =    1.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CB =    -.9538
   LO CAT, HI CB =    -.8688
   HI CAT, LO CB =    1.0417
   HI CAT, HI CB =     .9876
```

Disadvantages of having a student teacher:

HAS NEGATIVE EXPECTATIONS FOR EFFECTIVENESS OF STUDENT TEACHER

```
CB VARIABLE 56      ID = 07356
NUMBER OF VALID SCORES =    30

MODEL 1: ACH = CAT + CB + CAT*CB   R2 =   .8463

   DIFFERENCE =   .0013   P =   .6424

MODEL 2: ACH = CAT + CB            R2 =   .8450

   DIFFERENCE =   .0000   P =   .9695

MODEL 3: ACH = CAT                 R2 =   .8450

BETA FOR CB IN MODEL 2 =   .0028

HI CB =    1.6000   LO CB =     .8000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
   LO CAT, LO CB =    -.8842
   LO CAT, HI CB =    -.7878
   HI CAT, LO CB =     .8780
   HI CAT, HI CB =     .9955
```

DISCIPLINE PROBLEMS DEVELOP WITH A STUDENT TEACHER

CB VARIABLE 57 ID = 07357
NUMBER OF VALID SCORES = 30

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .8721

DIFFERENCE = .0047 P = .3394

MODEL 2. ACH = CAT + CB R2 = .8674

DIFFERENCE = .0224 P = .0396

MODEL 3. ACH = CAT R2 = .8450

BETA FOR CB IN MODEL 2 = .1511

HI CB = 1.7889 LO CB = .8245

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -1.0334
LO CAT, HI CB = -.8882
HI CAT, LO CB = .7202
HI CAT, HI CB = 1.2590

STUDENT TEACHERS ARE TIME CONSUMING, A LOT OF WORK

CB VARIABLE 58 ID = 07358
NUMBER OF VALID SCORES = 30

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .8830

DIFFERENCE = .0251 P = .0246

MODEL 2. ACH = CAT + CB R2 = .8579

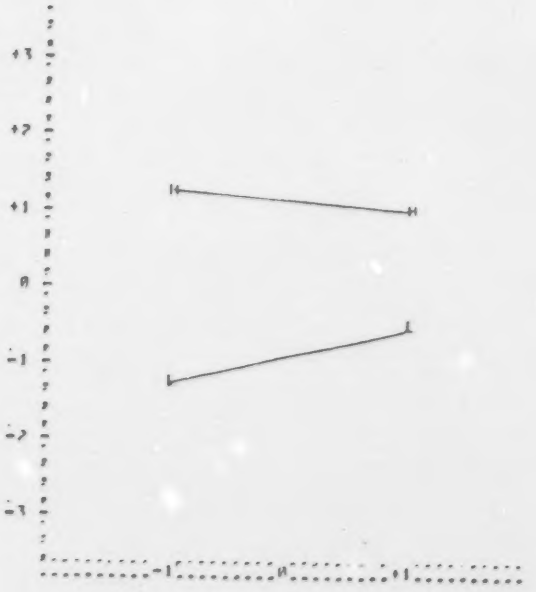
DIFFERENCE = .0130 P = .1245

MODEL 3. ACH = CAT R2 = .8450

BETA FOR CB IN MODEL 2 = .1239

HI CB = 2.0322 LO CB = 1.0344

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -1.1690
LO CAT, HI CB = -.6891
HI CAT, LO CB = 1.1846
HI CAT, HI CB = .9194



STUDENTS HAVE PROBLEMS ADJUSTING TO NEW TEACHER

CB VARIABLE 59 ID = 07359
NUMBER OF VALID SCORES = 38

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .8753

DIFFERENCE = .0048 P = .3275

MODEL 2. ACH = CAT + CB R2 = .8706

DIFFERENCE = .0256 P = .0277

MODEL 3. ACH = CAT R2 = .8450

BETA FOR CB IN MODEL 2 = -.1599

HI CB = 1.7089 LO LB = .8245

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.6948
LO CAT, HI CB = -1.1695
HI CAT, LO CB = 1.0146
HI CAT, HI CB = .8499

TEACHER LOSES CONTACT WITH STUDENTS

CB VARIABLE 60 ID = 07360
NUMBER OF VALID SCORES = 38

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .8699

DIFFERENCE = .0047 P = .3428

MODEL 2. ACH = CAT + CB R2 = .8652

DIFFERENCE = .0202 P = .0518

MODEL 3. ACH = CAT R2 = .8450

BETA FOR CB IN MODEL 2 = .1591

HI CB = 1.7089 LO LB = .8245

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -1.1096
LO CAT, HI CB = -.6356
HI CAT, LO CB = .8387
HI CAT, HI CB = 1.0325

OTHER DISADVANTAGES OF HAVING A STUDENT TEACHER

CB VARIABLE 61 ID = 07361
NUMBER OF VALID SCORES = 38

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .8468

DIFFERENCE = .0008 P = .7217

MODEL 2. ACH = CAT + CB R2 = .8460

DIFFERENCE = .0011 P = .6738

MODEL 3. ACH = CAT R2 = .8450

BETA FOR CB IN MODEL 2 = -.0362

HI CB = 1.9456 LO LB = .9678

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.9318
LO CAT, HI CB = -.9471
HI CAT, LO CB = 1.0406
HI CAT, HI CB = .8925

TEACHER IS FAMILIAR WITH MATERIAL IN CALIFORNIA ACHIEVEMENT TEST

CB VARIABLE 62 ID = 07362

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .8042

DIFFERENCE = .0104 P = .0920

MODEL 2. ACH = CAT + CB R2 = .7938

DIFFERENCE = .0038 P = .3175

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0619

HI CB = 3.1486 LO LB = 1.5458

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -1.1482
LO CAT, HI CB = -.7594
HI CAT, LO CB = 1.0284
HI CAT, HI CB = .8769

TEACHER FEELS CAT IS ADEQUATE MEASURE OF MATH ABILITY FOR HIS/HER STUDENTS

CR VARIABLE 63 ID = 07363
NUMBER OF VALID SCORES = 48

MODEL 1. ACH = CAT + CB + CATxCB R2 = .7985

DIFFERENCE = .0000 P = .9577

MODEL 2. ACH = CAT + CB R2 = .7985

DIFFERENCE = .0030 P = .4263

MODEL 3. ACH = CAT R2 = .7956

BETA FOR CB IN MODEL 2 = .0546

HI CB = 2.7478 LO LB = 1.1689

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.9308
LO CAT, HI CB = -.8156
HI CAT, LO CB = .8267
HI CAT, HI CB = .9962

Techniques for teaching non-readers (in math):

USES REMEDIAL TECHNIQUES TO TEACH MATH TO THOSE WHO CANT READ

CR VARIABLE 64 ID = 07365

MODEL 1. ACH = CAT + CB + CATxCB R2 = .8040

DIFFERENCE = .0008 P = .6981

MODEL 2. ACH = CAT + CB R2 = .8030

DIFFERENCE = .0135 P = .0542

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.1231

HI CB = 1.9825 LO LB = .9831

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.7809
LO CAT, HI CB = -1.0759
HI CAT, LO CB = 1.0032
HI CAT, HI CB = .8173

AVOIDS PROBLEM: TEACHER HAS STUDENTS READ TO NON-READER

CR VARIABLE 65 ID = 07366

MODEL 1. ACH = CAT + CB + CATxCB R2 = .7966

DIFFERENCE = .0042 P = .2933

MODEL 2. ACH = CAT + CB R2 = .7924

DIFFERENCE = .0024 P = .4385

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0503

HI CB = 1.8201 LO LB = .8695

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.9282
LO CAT, HI CB = -.8965
HI CAT, LO CB = 1.0075
HI CAT, HI CB = .8263

AVOIDS PROBLEMS GIVES ORAL DIRECTIONS, EXPLAINS VERBALLY

CR VARIABLE 66 ID = 07367

MODEL 1. ACH = CAT + CB + CATxCB R2 = .7973

DIFFERENCE = .0045 P = .2891

MODEL 2. ACH = CAT + CB R2 = .7968

DIFFERENCE = .0068 P = .1774

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = .0828

HI CB = 2.0169 LO LB = 1.0175

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.9642
LO CAT, HI CB = -.8862
HI CAT, LO CB = .8815
HI CAT, HI CB = 1.0180

AVOIDS PROBLEMS NO WORD PROBLEMS, TAKE READING OUT OF ASSIGNMENTS

CB VARIABLE 67 ID = 07368

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .7988

DIFFERENCE = .0004 P = .1344

MODEL 2. ACH = CAT + CB R2 = .7984

DIFFERENCE = .0004 P = .7477

MODEL 3. ACH = CAT R2 = .7988

BETA FOR CB IN MODEL 2 = .0198

HI CB = 1.8645 LO CB = .8941

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.9853
LO CAT, HI CB = -.7357
HI CAT, LO CB = .9437
HI CAT, HI CB = .7756

OTHERS GAMES, PACKETS, PUZZLES, ETC.

CB VARIABLE 68 ID = 07369

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .7969

DIFFERENCE = .0007 P = .6742

MODEL 2. ACH = CAT + CB R2 = .7962

DIFFERENCE = .0062 P = .1980

MODEL 3. ACH = CAT R2 = .7908

BETA FOR CB IN MODEL 2 = .0795

HI CB = 1.8201 LO CB = .8695

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.9881
LO CAT, HI CB = -.7556
HI CAT, LO CB = .8219
HI CAT, HI CB = .9294

USES BOTH REMEDIATION AND AVOIDANCE TECHNIQUES W/NON-READERS

CB VARIABLE 69 ID = 07370

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .7936

DIFFERENCE = .0002 P = .8090

MODEL 2. ACH = CAT + CB R2 = .7933

DIFFERENCE = .0034 P = .3485

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0650

HI CB = 1.9963 LO CB = .9213

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.8674
LO CAT, HI CB = -.9641
HI CAT, LO CB = 1.0122
HI CAT, HI CB = .8496

SLOWER STUDENTS HAVE MADE MORE PROGRESS THAN EXPECTED

CB VARIABLE 70 ID = 07371

MODEL 1. ACH = CAT + CB + CAT*CB R2 = .7915

DIFFERENCE = .0013 P = .5674

MODEL 2. ACH = CAT + CB R2 = .7902

DIFFERENCE = .0001 P = .7886

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CB IN MODEL 2 = -.0171

HI CB = 2.4621 LO CB = .9862

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CB = -.9298
LO CAT, HI CB = -.8935
HI CAT, LO CB = .9928
HI CAT, HI CB = .8846

SOME SLOW STUDENTS HAVE DONE WELL; OTHERS, NOT

CR VARIABLE 71 ID = 07373

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7975

DIFFERENCE = .0023 P = .4411

MODEL 2. ACH = CAT + CR R2 = .7951

DIFFERENCE = .0852 P = .2411

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0727

HI CR = 1.8645 LO CR = .8941

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7618
LO CAT, HI CR = -1.0039
HI CAT, LO CR = .8944
HI CAT, HI CR = .8449

Teacher believes amount of progress is affected by:

AMOUNT OF TEACHER-STUDENT CONTACT

CR VARIABLE 72 ID = 07374

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .8157

DIFFERENCE = .0003 P = .7726

MODEL 2. ACH = CAT + CR R2 = .8154

DIFFERENCE = .0255 P = .0079

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.1601

HI CR = 1.7730 LO CR = .8477

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7310
LO CAT, HI CR = -1.0067
HI CAT, LO CR = 1.0519
HI CAT, HI CR = .6704

AFFECTIVE VARIABLES: MOTIVATION, CONFIDENCE, PRAISE, TRUST, ETC.

CR VARIABLE 73 ID = 07375

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7905

DIFFERENCE = .0002 P = .8356

MODEL 2. ACH = CAT + CR R2 = .7904

DIFFERENCE = .0004 P = .7471

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0208

HI CR = 2.8498 LO CR = 1.0584

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8886
LO CAT, HI CR = -.9013
HI CAT, LO CR = .9335
HI CAT, HI CR = .8648

ACADEMIC FACTORS: METHODS, MATERIALS, STUDENT ABILITY

CR VARIABLE 74 ID = 07376

MODEL 1. ACH = CAT + CR + CAT*CH R2 = .7908

DIFFERENCE = .0001 P = .8836

MODEL 2. ACH = CAT + CR R2 = .7907

DIFFERENCE = .0008 P = .6528

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0279

HI CR = 1.9863 LO CR = .9217

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9345
LO CAT, HI CR = -.8594
HI CAT, LO CR = .8774
HI CAT, HI CR = .9148

OTHER REASONS FOR PROGRESS OR LACK OF IT

CR VARIABLE 75 ID = 07377

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .8083

DIFFERENCE = .0136 P = .8550

MODEL 2. ACH = CAT + CR R2 = .7908

DIFFERENCE = .0008 P = .6539

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.8321

HI CR = 1.6120 LO CR = .8018

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -1.8409
LO CAT, HI CR = -.8131
HI CAT, LO CR = 1.1298
HI CAT, HI CR = .9283

TEACHER GAVE REASONS FOR STUDENTS PROGRESS

CR VARIABLE 76 ID = 07378
NUMBER OF VALID SCORES = 56

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7854

DIFFERENCE = .0025 P = .6596

MODEL 2. ACH = CAT + CR R2 = .7830

DIFFERENCE = .0001 P = .8498

MODEL 3. ACH = CAT R2 = .7828

BETA FOR CR IN MODEL 2 = .8125

HI CR = 2.0187 LO CR = 1.0189

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.8359
LO CAT, HI CR = -.9103
HI CAT, LO CR = .7566
HI CAT, HI CR = .9188

Techniques used to teach spelling:

BY GOING OVER PRONUNCIATION, MEANING

CR VARIABLE 77 ID = 07379
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 =.7855.9885

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2. ACH = CAT + CR R2 =.7855.9885

DIFFERENCE = 3.1502 P = 1.0000

MODEL 3. ACH = CAT R2 =.7822.8383

BETA FOR CR IN MODEL 2 = -5.5939

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

BY DIVIDING WORDS INTO SYLLABLES

CR VARIABLE 78 ID = 07380
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 =.7855.9885

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2. ACH = CAT + CR R2 =.7855.9885

DIFFERENCE = 3.1502 P = 1.0000

MODEL 3. ACH = CAT R2 =.7822.8383

BETA FOR CR IN MODEL 2 = -5.5939

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

BY USING IN SENTENCES, IN CONTEXT

CR VARIABLE 79 ID = B73A1
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 =785.9885

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2. ACH = CAT + CR R2 =785.9885

DIFFERENCE = 3.1502 P = 1.0000

MODEL 3. ACH = CAT R2 =782.8343

BETA FOR CR IN MODEL 2 = -5.5939

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

BY DOING DRILL, WRITTEN EXERCISES, HOMEWORK

CR VARIABLE A4 ID = B73A2
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 =785.9885

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2. ACH = CAT + CR R2 =785.9885

DIFFERENCE = 3.1502 P = 1.0000

MODEL 3. ACH = CAT R2 =782.8343

BETA FOR CR IN MODEL 2 = -5.5939

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

BY DOING PUZZLES, WORD GAMES, USING FLASH CARDS

CR VARIABLE B1 ID = B73A3
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 =785.9885

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2. ACH = CAT + CR R2 =785.9885

DIFFERENCE = 3.1502 P = 1.0000

MODEL 3. ACH = CAT R2 =782.8343

BETA FOR CR IN MODEL 2 = -5.5939

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

ORAL WORK, REPETITION, BOARD WORK, SPELLING BEES

CR VARIABLE A2 ID = B73A4
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 =785.9885

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2. ACH = CAT + CR R2 =785.9885

DIFFERENCE = 3.1502 P = 1.0000

MODEL 3. ACH = CAT R2 =782.8343

BETA FOR CR IN MODEL 2 = -5.5939

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

TEACH RULES, PHONITIC CONCEPTS

CR VARIABLE #3 ID = 873A5
NUMBER OF VALID SCORES = 8

MODEL 1: ACH = CAT + CR + CAT*CR R2 =785;9845

DIFFERENCE = 0;0000 P = 1;0000

MODEL 2: ACH = CAT + CR R2 =785;9845

DIFFERENCE = 3;1502 P = 1;0000

MODEL 3: ACH = CAT R2 =782;8343

BETA FOR CR IN MODEL 2 = -5;5939

HI CR = 0;0000 LO CR = 0;0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0;0000
LO CAT, HI CR = 0;0000
HI CAT, LO CR = 0;0000
HI CAT, HI CR = 0;0000

STRESS RECOGNITION OF WORD ROOT, PREFIX, SUFFIX

CR VARIABLE #4 ID = 873A6
NUMBER OF VALID SCORES = 8

MODEL 1: ACH = CAT + CR + CAT*CR R2 =785;9845

DIFFERENCE = 0;0000 P = 1;0000

MODEL 2: ACH = CAT + CR R2 =785;9845

DIFFERENCE = 3;1502 P = 1;0000

MODEL 3: ACH = CAT R2 =782;8343

BETA FOR CR IN MODEL 2 = -5;5939

HI CR = 0;0000 LO CR = 0;0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0;0000
LO CAT, HI CR = 0;0000
HI CAT, LO CR = 0;0000
HI CAT, HI CR = 0;0000

GIVE TESTS: EITHER PRETEST OR END OF UNIT TEST

CR VARIABLE #5 ID = 873A7
NUMBER OF VALID SCORES = 8

MODEL 1: ACH = CAT + CR + CAT*CR R2 =785;9845

DIFFERENCE = 0;0000 P = 1;0000

MODEL 2: ACH = CAT + CR R2 =785;9845

DIFFERENCE = 3;1502 P = 1;0000

MODEL 3: ACH = CAT R2 =782;8343

BETA FOR CR IN MODEL 2 = -5;5939

HI CR = 0;0000 LO CR = 0;0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0;0000
LO CAT, HI CR = 0;0000
HI CAT, LO CR = 0;0000
HI CAT, HI CR = 0;0000

OTHER: INDIVIDUALIZE MEMORIZE, DO DICTIONARY WORK

CR VARIABLE #6 ID = 873A8
NUMBER OF VALID SCORES = 8

MODEL 1: ACH = CAT + CR + CAT*CR R2 =785;9845

DIFFERENCE = 0;0000 P = 1;0000

MODEL 2: ACH = CAT + CR R2 =785;9845

DIFFERENCE = 3;1502 P = 1;0000

MODEL 3: ACH = CAT R2 =782;8343

BETA FOR CR IN MODEL 2 = -5;5939

HI CR = 0;0000 LO CR = 0;0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0;0000
LO CAT, HI CR = 0;0000
HI CAT, LO CR = 0;0000
HI CAT, HI CR = 0;0000

USES INDIVIDUAL SEATWORK ONLY TO TEACH SPELLING

CR VARIABLE A7 ID = 07389
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 =785:9845

DIFFERENCE = 0:0000 P = 1:0000

MODEL 2: ACH = CAT + CR R2 =785:9845

DIFFERENCE = 3:1502 P = 1:0000

MODEL 3: ACH = CAT R2 =782:8343

BETA FOR CR IN MODEL 2 = -5:5939

HI CR = 0:0000 LO CR = 0:0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0:0000
LO CAT, HI CR = 0:0000
HI CAT, LO CR = 0:0000
HI CAT, HI CR = 0:0000

USES WHILE CLASS ACTIVITIES ONLY TO TEACH SPELLING

CR VARIABLE A8 ID = 07390
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 =785:9845

DIFFERENCE = 0:0000 P = 1:0000

MODEL 2: ACH = CAT + CR R2 =785:9845

DIFFERENCE = 3:1502 P = 1:0000

MODEL 3: ACH = CAT R2 =782:8343

BETA FOR CR IN MODEL 2 = -5:5939

HI CR = 0:0000 LO CR = 0:0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0:0000
LO CAT, HI CR = 0:0000
HI CAT, LO CR = 0:0000
HI CAT, HI CR = 0:0000

USES BOTH SEATWORK AND CLASS ACTIVITIES TO TEACH SPELLING

CR VARIABLE A9 ID = 07391
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 =785:9845

DIFFERENCE = 0:0000 P = 1:0000

MODEL 2: ACH = CAT + CR R2 =785:9845

DIFFERENCE = 3:1502 P = 1:0000

MODEL 3: ACH = CAT R2 =782:8343

BETA FOR CR IN MODEL 2 = -5:5939

HI CR = 0:0000 LO CR = 0:0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0:0000
LO CAT, HI CR = 0:0000
HI CAT, LO CR = 0:0000
HI CAT, HI CR = 0:0000

FOR NON-READERS, USE SPECIAL MATERIALS; HIGH INTEREST, LOWER LEVEL

CR VARIABLE B0 ID = 07392
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 =785:9845

DIFFERENCE = 0:0000 P = 1:0000

MODEL 2: ACH = CAT + CR R2 =785:9845

DIFFERENCE = 3:1502 P = 1:0000

MODEL 3: ACH = CAT R2 =782:8343

BETA FOR CR IN MODEL 2 = -5:5939

HI CR = 0:0000 LO CR = 0:0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0:0000
LO CAT, HI CR = 0:0000
HI CAT, LO CR = 0:0000
HI CAT, HI CR = 0:0000

USE INDIVIDUAL HELP; EXTRA ORAL READING; SPECIAL ATTENTION

```
CR VARIABLE 91      ID = 07393
NUMBER OF VALID SCORES =      0

MODEL 1. ACH = CAT + CR + CAT*CR    R2 =785.9845

   DIFFERENCE =  0.0000   P =  1.0000

MODEL 2. ACH = CAT + CR             R2 =785.9845

   DIFFERENCE =  3.1502   P =  1.0000

MODEL 3. ACH = CAT                  R2 =782.8343

BETA FOR CR IN MODEL 2 = -5.5939

HI CR =     0.0000   LO CR =     0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
   LO CAT, LO CR =     0.0000
   LO CAT, HI CR =     0.0000
   HI CAT, LO CR =     0.0000
   HI CAT, HI CR =     0.0000
```

USE PEER TUTORS, COLLEGE STUDENTS; BUDDY SYSTEM

```
CR VARIABLE 92      ID = 07394
NUMBER OF VALID SCORES =      0

MODEL 1. ACH = CAT + CR + CAT*CR    R2 =785.9845

   DIFFERENCE =  0.0000   P =  1.0000

MODEL 2. ACH = CAT + CR             R2 =785.9845

   DIFFERENCE =  3.1502   P =  1.0000

MODEL 3. ACH = CAT                  R2 =782.8343

BETA FOR CR IN MODEL 2 = -5.5939

HI CR =     0.0000   LO CR =     0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
   LO CAT, LO CR =     0.0000
   LO CAT, HI CR =     0.0000
   HI CAT, LO CR =     0.0000
   HI CAT, HI CR =     0.0000
```


USE RESOURCE TEACHER, READING SPECIALIST, READING SKILLS LAB

```
CR VARIABLE 93      ID = 07395
NUMBER OF VALID SCORES =      0

MODEL 1. ACH = CAT + CR + CAT*CR    R2 =785.9845

   DIFFERENCE =  0.0000   P =  1.0000

MODEL 2. ACH = CAT + CR             R2 =785.9845

   DIFFERENCE =  3.1502   P =  1.0000

MODEL 3. ACH = CAT                  R2 =782.8343

BETA FOR CR IN MODEL 2 = -5.5939

HI CR =     0.0000   LO CR =     0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
   LO CAT, LO CR =     0.0000
   LO CAT, HI CR =     0.0000
   HI CAT, LO CR =     0.0000
   HI CAT, HI CR =     0.0000
```

USE AUDIOVISUAL AIDS

```
CR VARIABLE 94      ID = 07396
NUMBER OF VALID SCORES =      0

MODEL 1. ACH = CAT + CR + CAT*CR    R2 =785.9845

   DIFFERENCE =  0.0000   P =  1.0000

MODEL 2. ACH = CAT + CR             R2 =785.9845

   DIFFERENCE =  3.1502   P =  1.0000

MODEL 3. ACH = CAT                  R2 =782.8343

BETA FOR CR IN MODEL 2 = -5.5939

HI CR =     0.0000   LO CR =     0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
   LO CAT, LO CR =     0.0000
   LO CAT, HI CR =     0.0000
   HI CAT, LO CR =     0.0000
   HI CAT, HI CR =     0.0000
```

OTHERS GIVE ORAL DIRECTIONS; READ TO STUDENT, ETC.

```
CR VARIABLE 95       ID = 07397
NUMBER OF VALID SCORES =      0

MODEL 1. ACH = CAT + CR + CAT*CR    R2 =.785  .9845

   DIFFERENCE =  0.0000   P =  1.0000

MODEL 2. ACH = CAT + CR             R2 =.785  .9845

   DIFFERENCE =  3.1502   P =  1.0000

MODEL 3. ACH = CAT                  R2 =.782  .8143

BETA FOR CR IN MODEL 2 = -5.5939

HI CR =    0.0000   LO CR =    0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
   LO CAT, LO CR =    0.0000
   LO CAT, HI CR =    0.0000
   HI CAT, LO CR =    0.0000
   HI CAT, HI CR =    0.0000
```

USES TECHNIQUES TO REMEDIATE READING PROBLEM

```
CR VARIABLE 96       ID = 07398
NUMBER OF VALID SCORES =      0

MODEL 1. ACH = CAT + CR + CAT*CR    R2 =.785  .9845

   DIFFERENCE =  0.0000   P =  1.0000

MODEL 2. ACH = CAT + CR             R2 =.785  .9845

   DIFFERENCE =  3.1502   P =  1.0000

MODEL 3. ACH = CAT                  R2 =.782  .8143

BETA FOR CR IN MODEL 2 = -5.5939

HI CR =    0.0000   LO CR =    0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
   LO CAT, LO CR =    0.0000
   LO CAT, HI CR =    0.0000
   HI CAT, LO CR =    0.0000
   HI CAT, HI CR =    0.0000
```


USES PEER TUTORING

```
CR VARIABLE 97       ID = 07399
NUMBER OF VALID SCORES =      0

MODEL 1. ACH = CAT + CR + CAT*CR    R2 =.785  .9845

   DIFFERENCE =  0.0000   P =  1.0000

MODEL 2. ACH = CAT + CR             R2 =.785  .9845

   DIFFERENCE =  3.1502   P =  1.0000

MODEL 3. ACH = CAT                  R2 =.782  .8143

BETA FOR CR IN MODEL 2 = -5.5939

HI CR =    0.0000   LO CR =    0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
   LO CAT, LO CR =    0.0000
   LO CAT, HI CR =    0.0000
   HI CAT, LO CR =    0.0000
   HI CAT, HI CR =    0.0000
```

Advantages of peer tutoring:

PEER TUTORING MAXIMIZES TEACHER TIME AND EFFORT

```
CR VARIABLE 98       ID = 07400
NUMBER OF VALID SCORES =      0

MODEL 1. ACH = CAT + CR + CAT*CR    R2 =.785  .9845

   DIFFERENCE =  0.0000   P =  1.0000

MODEL 2. ACH = CAT + CR             R2 =.785  .9845

   DIFFERENCE =  3.1502   P =  1.0000

MODEL 3. ACH = CAT                  R2 =.782  .8143

BETA FOR CR IN MODEL 2 = -5.5939

HI CR =    0.0000   LO CR =    0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
   LO CAT, LO CR =    0.0000
   LO CAT, HI CR =    0.0000
   HI CAT, LO CR =    0.0000
   HI CAT, HI CR =    0.0000
```

PEER TUTORING HAS ACADEMIC ADVANTAGES FOR TUTEE

CR VARIABLE 99 ID = 07401
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 =785.9845

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2. ACH = CAT + CR R2 =785.9845

DIFFERENCE = 3.1502 P = 1.0000

MODEL 3. ACH = CAT R2 =782.8343

BETA FOR CR IN MODEL 2 = -5.5939

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

PEER TUTORING HAS AFFECTIVE ADVANTAGES FOR TUTEE

CR VARIABLE100 ID = 07402
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 =785.9845

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2. ACH = CAT + CR R2 =785.9845

DIFFERENCE = 3.1502 P = 1.0000

MODEL 3. ACH = CAT R2 =782.8343

BETA FOR CR IN MODEL 2 = -5.5939

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

PEER TUTORING HAS ADVANTAGES FOR TUTOR, BOTH ACADEMIC AND AFFECTIVE

CR VARIABLE 1 ID = 07403
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2. ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3. ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

Disadvantages of peer tutoring:

EFFECTIVENESS IS LIMITED BY HIS SKILLS AND KNOWLEDGE

CR VARIABLE 2 ID = 07404
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2. ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3. ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

TUTORING SESSION MAY TURN INTO SOCIALIZING

CR VARIABLE 3 ID = 07405
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2: ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3: ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

TUTOR-TUTEE INTERPERSONAL PROBLEMS MAY ARISE

CR VARIABLE 4 ID = 07406
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2: ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3: ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

PEER TUTOR IS PENALIZED ACADEMICALLY; TAKES TIME FROM OWN WORK

CR VARIABLE 5 ID = 07407
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2: ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3: ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

TEACHER HAS STUDENTS READ ALOUD

CR VARIABLE 6 ID = 07408
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2: ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3: ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

Teacher has students read aloud:

TO ASSESS ABILITY, CATCH PROBLEMS

CR VARIABLE 7 ID = B7409
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2. ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3. ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

TO INSURE ALL UNDERSTAND; AID TO POOR READERS

CR VARIABLE 8 ID = B7410
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2. ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3. ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

BECAUSE KIDS ENJOY IT

CR VARIABLE 9 ID = B7411
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2. ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3. ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

TO FACILITATE PARTICIPATION, GAIN INTEREST

CR VARIABLE 10 ID = B7412
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2. ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3. ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

TO FACILITATE DISCUSSION; QUESTIONS ARISE; CAN STRESS POINTS

CR VARIABLE 11 ID = 07413
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2: ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3: ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

AS TEACHING TOOL; GIVES PRACTICE; LEARN PRONUNCIATION

CR VARIABLE 12 ID = 07414
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2: ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3: ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

OTHER REASONS TO HAVE STUDENTS READ ALOUD

CR VARIABLE 13 ID = 07415
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2: ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3: ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

Appropriate composition criteria for English includes:

PUNCTUATION, CAPITALS

CR VARIABLE 14 ID = 07416
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2: ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3: ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

SPELLING

CR VARIABLE 15 ID = 07417
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2. ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3. ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

GRAMMAR

CR VARIABLE 16 ID = 07418
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2. ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3. ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

COMPLETE SENTENCES, GOOD SENTENCE STRUCTURE

CR VARIABLE 17 ID = 07419
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2. ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3. ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

PARAGRAPHS, TOPIC SENTENCES

CR VARIABLE 18 ID = 07420
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2. ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3. ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

SPECIFIED LENGTH

CR VARIABLE 19 ID = 07421
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2: ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3: ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

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OTHER COMPOSITION CRITERIA

CR VARIABLE 20 ID = 07422
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2: ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3: ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

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ORGANIZATION, COHERENCE, STRUCTURE, UNITY

CR VARIABLE 21 ID = 07423
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2: ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3: ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

CONTENT: SUBJECT THAT CHALLENGES, INTERESTS STUDENT

CR VARIABLE 22 ID = 07424
NUMBER OF VALID SCORES = 0

MODEL 1: ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2: ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3: ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

309

CREATIVITY, ORIGINALITY, SELF-EXPRESSION

CR VARIABLE 23 ID = 07425
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2, ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3, ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

CRITERIA INCLUDE MECHANICS ONLY

CR VARIABLE 24 ID = 07426
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2, ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3, ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

CRITERIA INCLUDE CONTENT-STRUCTURE

CR VARIABLE 25 ID = 07427
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2, ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3, ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

Teacher uses games, fun-devices:

FOR INSTRUCTION, SOCIAL INTERACTION

CR VARIABLE 26 ID = 07428
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2, ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3, ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

AS INSTRUCTIONAL SUPPLEMENTS

CR VARIABLE 27 ID = 07429
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2, ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3, ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

FOR PROMOTING SOCIAL INTERACTION, GETTING TO KNOW STUDENTS

CR VARIABLE 28 ID = 07430
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2, ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3, ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

RARELY, OCCASIONALLY DURING THE YEAR

CR VARIABLE 29 ID = 07431
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2, ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3, ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

IN ORAL REPORTS, SPEECHES, RECITATION, DEBATE

CR VARIABLE 30 ID = 07432
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2, ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3, ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

IN ACTING, ROLE-PLAYING, PANTOMIME

CR VARIABLE 31 ID = M7433
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2. ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3. ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

IN READING ALOUD STORIES, PLAYS, POETRY

CR VARIABLE 32 ID = M7434
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2. ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3. ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

IN ART, BULLETIN BOARDS, POSTERS

CR VARIABLE 33 ID = M7435
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2. ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3. ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

OTHER: GAMES, LISTENING STATION

CR VARIABLE 34 ID = M7436
NUMBER OF VALID SCORES = 0

MODEL 1. ACH = CAT + CR + CAT*CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2. ACH = CAT + CR R2 = 0.0000

DIFFERENCE = 0.0000 P = 1.0000

MODEL 3. ACH = CAT R2 = 0.0000

BETA FOR CR IN MODEL 2 = 0.0000

HI CR = 0.0000 LO CR = 0.0000

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = 0.0000
LO CAT, HI CR = 0.0000
HI CAT, LO CR = 0.0000
HI CAT, HI CR = 0.0000

Teacher accounts for differences between observed sections:

BY SIZE OF CLASS

CR VARIABLE 35 ID = 07437

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7933

DIFFERENCE = .0005 P = .7241

MODEL 2: ACH = CAT + CR R2 = .7928

DIFFERENCE = .0028 P = .3940

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0532

HI CR = 1.6693 LO CR = .8135

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8129
LO CAT, HI CR = -1.0053
HI CAT, LO CR = .9208
HI CAT, HI CR = .8935

BY DIFFERENT ABILITY LEVELS DUE TO TRACKING OR ABILITY GROUPING

CR VARIABLE 37 ID = 07439

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7927

DIFFERENCE = .0024 P = .4375

MODEL 2: ACH = CAT + CR R2 = .7903

DIFFERENCE = .0003 P = .7650

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0195

HI CR = 1.4980 LO CR = .7989

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8991
LO CAT, HI CR = -.8676
HI CAT, LO CR = .7720
HI CAT, HI CR = 1.0935

BY TIME OF DAY

CR VARIABLE 36 ID = 07438

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7929

DIFFERENCE = .0026 P = .4280

MODEL 2: ACH = CAT + CR R2 = .7903

DIFFERENCE = .0004 P = .7482

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0198

HI CR = 1.6693 LO CR = .8135

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9181
LO CAT, HI CR = -.8289
HI CAT, LO CR = .9562
HI CAT, HI CR = .7988

BY DIFFERENCE IN ABILITY LEVELS SOME CLASSES BRIGHTER THAN OTHERS

CR VARIABLE 38 ID = 07440

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7937

DIFFERENCE = .0065 P = .1023

MODEL 2: ACH = CAT + CR R2 = .7972

DIFFERENCE = .0072 P = .1647

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0848

HI CR = 1.9825 LO CR = .9831

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7414
LO CAT, HI CR = -1.0889
HI CAT, LO CR = .9126
HI CAT, HI CR = .7147

AT EXTREMES OF ABILITY WITHIN CLASS VERSUS HOMOGENEOUS ABILITY

CR VARIABLE 39 ID = 07441

MODEL 1: ACH = CAT + CR + CATxCR R2 = .8043

DIFFERENCE = .0026 P = .4426

MODEL 2: ACH = CAT + CR R2 = .8016

DIFFERENCE = .0117 P = .0739

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .1887

HI CR = 1.6128 LO LB = .0818

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -1.0634
LO CAT, HI CB = -.6681
HI CAT, LO CB = .0672
HI CAT, HI CB = .8153

BY DIFFERENCES IN STUDENT MOTIVATION, MATURITY, WORK HABITS, COOPERATION

CR VARIABLE 48 ID = 07442

MODEL 1: ACH = CAT + CR + CATxCR R2 = .8173

DIFFERENCE = .0268 P = .0049

MODEL 2: ACH = CAT + CR R2 = .7906

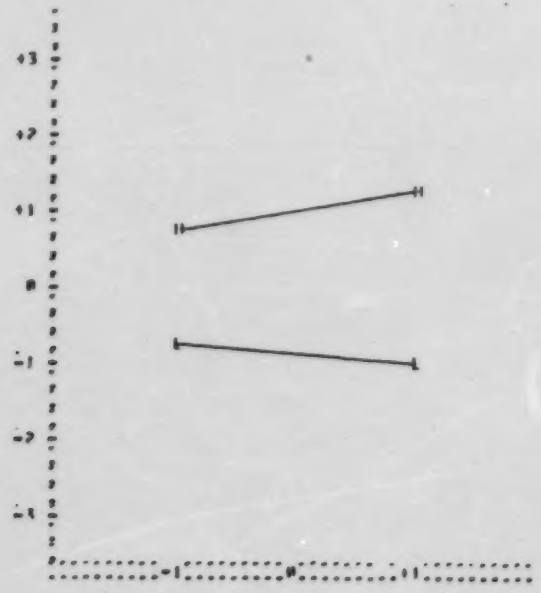
DIFFERENCE = .0004 P = .6917

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0249

HI CR = 1.9825 LO LB = .9831

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CB = -.7957
LO CAT, HI CB = -1.0928
HI CAT, LO CB = .7621
HI CAT, HI CB = 1.1849



BY DIFFERENCES IN BEHAVIOR PROBLEMS, NUMBER OF TROUBLESOME KIDS, ETC.

CR VARIABLE 81 ID = 07443
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7933

DIFFERENCE = .0016 P = .5369

MODEL 2: ACH = CAT + CR R2 = .7917

DIFFERENCE = .0017 P = .5241

MODEL 3: ACH = CAT R2 = .7901

BETA FOR CR IN MODEL 2 = .0408

HI CR = 2.0000 LO CR = 1.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9886
LO CAT, HI CR = -.9177
HI CAT, LO CR = .8299
HI CAT, HI CR = 1.0881

BY DIFFERENCES IN CLASS PERSONALITY, INTERPERSONAL RELATIONS

CR VARIABLE 82 ID = 07444

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7924

DIFFERENCE = .0024 P = .4414

MODEL 2: ACH = CAT + CR R2 = .7900

DIFFERENCE = .0008 P = .9371

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0048

HI CR = 1.9825 LO CR = .9831

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8648
LO CAT, HI CR = -.9663
HI CAT, LO CR = .8508
HI CAT, HI CR = .9931

BY DIFFERENCES IN TEACHER-STUDENT RELATIONSHIP, TEACHER AFFECT

CR VARIABLE 83 ID = 07445

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8001

DIFFERENCE = .0007 P = .6697

MODEL 2: ACH = CAT + CR R2 = .7996

DIFFERENCE = .0097 P = .1852

MODEL 3: ACH = CAT R2 = .7988

BETA FOR CR IN MODEL 2 = -.1011

HI CR = 1.9888 LO CR = .7989

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8787
LO CAT, HI CR = -.9884
HI CAT, LO CR = 1.0380
HI CAT, HI CR = .7964

BY DIFFERENCES IN BACKGROUND, SES, HOME ENVIRONMENT

CR VARIABLE 44 ID = 07446

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8864

DIFFERENCE = .0158 P = .8379

MODEL 2: ACH = CAT + CR R2 = .7906

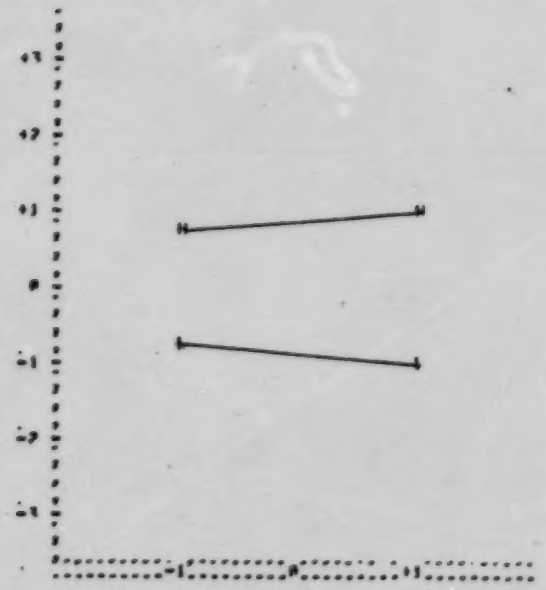
DIFFERENCE = .0004 P = .6939

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .8246

HI CR = 1.4488 LO CR = .7989

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7842
LO CAT, HI CR = -.9915
HI CAT, LO CR = .7423
HI CAT, HI CR = 1.0239



NO DIFFERENCES, OR CHANCE ACCOUNTS FOR DIFFERENCES

CR VARIABLE 45 ID = 07447

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7954

DIFFERENCE = .0005 P = .7717

MODEL 2: ACH = CAT + CR R2 = .7949

DIFFERENCE = .0049 P = .2545

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .8754

HI CR = 1.5582 LO CR = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8667
LO CAT, HI CR = -.9681
HI CAT, LO CR = 1.0133
HI CAT, HI CR = .8822

BY SEX AND RACIAL MAKE-UP

CR VARIABLE 46 ID = 07448

MODEL 1: ACH = CAT + CR + CAT*CH R2 = .7904

DIFFERENCE = .0004 P = .7456

MODEL 2: ACH = CAT + CR R2 = .7900

DIFFERENCE = .0008 P = .9357

MODEL 3: ACH = CAT R2 = .7908

BETA FOR CR IN MODEL 2 = .8842

HI CR = 1.4828 LO CR = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8764
LO CAT, HI CR = -.9877
HI CAT, LO CR = .8575
HI CAT, HI CR = .9685

OTHER: ROOM IS HOT: ATTENDANCE PATTERNS, ETC.

CR VARIABLE 47 ID = #7449

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7981

DIFFERENCE = .0051 P = .2467

MODEL 2: ACH = CAT + CR R2 = .7938

DIFFERENCE = .0038 P = .3768

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0553

HI CR = 1.5582 LO CR = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7628
LO CAT, HI CR = -1.0883
HI CAT, LO CR = .0638
HI CAT, HI CR = .9313

STUDENTS ARE RANDOMLY ASSIGNED TO CLASSES

CR VARIABLE 48 ID = #7450

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7962

DIFFERENCE = .0068 P = .2094

MODEL 2: ACH = CAT + CR R2 = .7982

DIFFERENCE = .0002 P = .8111

MODEL 3: ACH = CAT R2 = .7980

BETA FOR CR IN MODEL 2 = .0144

HI CR = 2.0787 LO CR = 1.0957

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9259
LO CAT, HI CR = -.7142
HI CAT, LO CR = .9933
HI CAT, HI CR = .7562

Teacher adjusts strategies for different class make-up:

UNSPECIFIED ADJUSTMENTS: DOES NOT TELL HOW SHE ADJUSTS

CR VARIABLE 49 ID = #7451

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7963

DIFFERENCE = .0016 P = .5278

MODEL 2: ACH = CAT + CR R2 = .7947

DIFFERENCE = .0047 P = .2441

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0704

HI CR = 1.5582 LO CR = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0851
LO CAT, HI CR = -.7997
HI CAT, LO CR = .0476
HI CAT, HI CR = .3693

VARIES METHODS, BUT NOT CURRICULUM

CR VARIABLE 50 ID = #7452

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7981

DIFFERENCE = .0008 P = .9525

MODEL 2: ACH = CAT + CR R2 = .7981

DIFFERENCE = .0001 P = .8783

MODEL 3: ACH = CAT R2 = .7980

BETA FOR CR IN MODEL 2 = -.0099

HI CR = 1.9861 LO CR = .9213

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8746
LO CAT, HI CR = -.9837
HI CAT, LO CR = .0948
HI CAT, HI CR = .0821

VARIES CURRICULUM, MATERIALS, EMPHASIS, BUT NOT METHODS

CR VARIABLE 91 ID = 87453

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7977

DIFFERENCE = .0057 P = .2191

MODEL 2: ACH = CAT + CR R2 = .7920

DIFFERENCE = .0028 P = .4734

MODEL 3: ACH = CAT R2 = .7908

BETA FOR CR IN MODEL 2 = .0454

HI CR = 1.3224 LO CR = .8156

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0810
LO CAT, HI CR = -.6908
HI CAT, LO CR = 1.1085
HI CAT, HI CR = .5029

VARIES BOTH CURRICULUM AND METHODS

CR VARIABLE 92 ID = 87454

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8155

DIFFERENCE = .0005 P = .6967

MODEL 2: ACH = CAT + CR R2 = .8149

DIFFERENCE = .0258 P = .0045

MODEL 3: ACH = CAT R2 = .7908

BETA FOR CR IN MODEL 2 = .1581

HI CR = 1.0693 LO CR = .8135

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7113
LO CAT, HI CR = -1.8775
HI CAT, LO CR = 1.8279
HI CAT, HI CR = .7593

VARIES STRUCTURE, DISCIPLINE, CONTROL

CR VARIABLE 93 ID = 87455

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7925

DIFFERENCE = .0017 P = .5154

MODEL 2: ACH = CAT + CR R2 = .7907

DIFFERENCE = .0000 P = .6596

MODEL 3: ACH = CAT R2 = .7908

BETA FOR CR IN MODEL 2 = .0298

HI CR = 1.0281 LO CR = .8695

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8559
LO CAT, HI CR = -.8819
HI CAT, LO CR = .7718
HI CAT, HI CR = .9129

OTHER: DOES NOT ADJUST SET TO ALL WITH BASICS; YOU HAVE TO TRY

CR VARIABLE 94 ID = 87456

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8016

DIFFERENCE = .0085 P = .2699

MODEL 2: ACH = CAT + CR R2 = .7991

DIFFERENCE = .0092 P = .1149

MODEL 3: ACH = CAT R2 = .7908

BETA FOR CR IN MODEL 2 = -.0958

HI CR = 1.2169 LO CR = .8520

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.4584
LO CAT, HI CR = -1.2081
HI CAT, LO CR = .8284
HI CAT, HI CR = 1.8188

ADJUSTS IN RESPONSE TO ABILITY LEVEL, OR INDIV. DIFF. IN ABILITY ONLY

CR VARIABLE 55 ID = 87457
NUMBER OF VALID SCORES = 38

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7248

DIFFERENCE = .0108 P = .3414

MODEL 2. ACH = CAT + CR R2 = .7140

DIFFERENCE = .0063 P = .4550

MODEL 3. ACH = CAT R2 = .7077

BETA FOR CR IN MODEL 2 = .0796

HI CR = 1.9656 LO CR = .9678

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -1.0473
LO CAT, HI CR = -.6884
HI CAT, LO CR = .8676
HI CAT, HI CR = .8284

TO CLASS PERSONALITY, INTERESTS, ATTITUDES, EMOTIONAL NEEDS ONLY

CR VARIABLE 56 ID = 87458
NUMBER OF VALID SCORES = 38

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7102

DIFFERENCE = .0017 P = .6989

MODEL 2. ACH = CAT + CR R2 = .7084

DIFFERENCE = .0007 P = .7938

MODEL 3. ACH = CAT R2 = .7077

BETA FOR CR IN MODEL 2 = -.0268

HI CR = 1.6808 LO CR = .8008

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.7784
LO CAT, HI CR = -.9549
HI CAT, LO CR = .8229
HI CAT, HI CR = .9858

TO BOTH ABILITY AND PERSONALITY OF THE CLASS

CR VARIABLE 57 ID = 87459
NUMBER OF VALID SCORES = 38

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7185

DIFFERENCE = .0071 P = .4314

MODEL 2. ACH = CAT + CR R2 = .7114

DIFFERENCE = .0037 P = .5673

MODEL 3. ACH = CAT R2 = .7077

BETA FOR CR IN MODEL 2 = -.0614

HI CR = 1.8987 LO CR = .8619

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.6953
LO CAT, HI CR = -.9897
HI CAT, LO CR = .8884
HI CAT, HI CR = .8369

Teacher believes she can do little about:

LACK OF PARENTAL ENCOURAGEMENT AND CONCERN

CR VARIABLE 58 ID = 87460

MODEL 1. ACH = CAT + CR + CAT*CR R2 = .7902

DIFFERENCE = .0002 P = .8221

MODEL 2. ACH = CAT + CR R2 = .7900

DIFFERENCE = .0000 P = .9884

MODEL 3. ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0068

HI CR = 1.2169 LO CR = .8520

EXPECTED VALUES FROM MODEL 1. (Z-SCALED)
LO CAT, LO CR = -.7979
LO CAT, HI CR = -1.0182
HI CAT, LO CR = .8231
HI CAT, HI CR = .9877

HOME PROBLEMS; HOME ENVIRONMENT

CR VARIABLE 59 ID = 07461

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7987

DIFFERENCE = .0003 P = .7665

MODEL 2: ACH = CAT + CR R2 = .7983

DIFFERENCE = .0004 P = .7481

MODEL 3: ACH = CAT R2 = .7980

BETA FOR CR IN MODEL 2 = .0289

HI CR = 1.6128 LO CR = .8818

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9279
LO CAT, HI CR = -.8866
HI CAT, LO CR = .8888
HI CAT, HI CR = .9066

LEARNING DISABILITY, LOW IQ, HYPERACTIVE, NON-READERS, ETC.

CR VARIABLE 60 ID = 07462

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7978

DIFFERENCE = .0000 P = .9368

MODEL 2: ACH = CAT + CR R2 = .7978

DIFFERENCE = .0079 P = .1456

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0892

HI CR = 1.5502 LO CR = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7855
LO CAT, HI CR = -.9721
HI CAT, LO CR = .9631
HI CAT, HI CR = .7969

EMOTIONAL PROBLEMS, ADOLESCENCE, POOR PEER RELATIONSHIPS

CR VARIABLE 61 ID = 07463

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8065

DIFFERENCE = .0074 P = .1528

MODEL 2: ACH = CAT + CR R2 = .7990

DIFFERENCE = .0091 P = .1162

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .1015

HI CR = 1.5502 LO CR = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0765
LO CAT, HI CR = -.6745
HI CAT, LO CR = .8716
HI CAT, HI CR = .9981

DISCIPLINE, BEHAVIOR PROBLEMS; DISRUPTIVE, ANTAGONISTIC STUDENTS

CR VARIABLE 62 ID = 07464

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8135

DIFFERENCE = .0168 P = .0330

MODEL 2: ACH = CAT + CR R2 = .7996

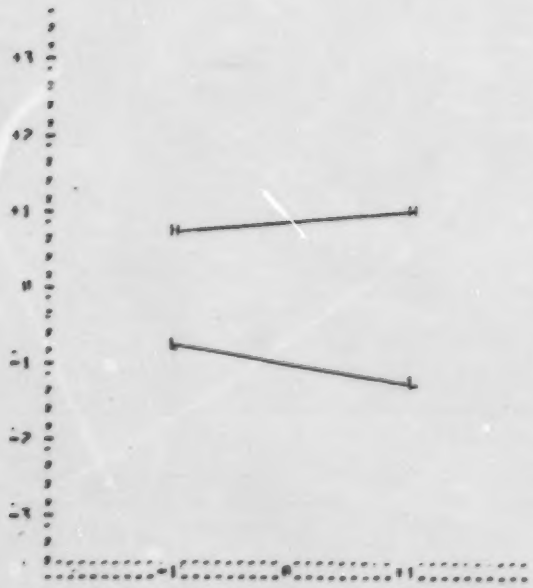
DIFFERENCE = .0896 P = .1864

MODEL 3: ACH = CAT R2 = .7988

BETA FOR CR IN MODEL 2 = -.8988

HI CR = 1.6693 LO CR = .8135

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.6713
LO CAT, HI CR = -1.1823
HI CAT, LO CR = .8635
HI CAT, HI CR = 1.8868



LACK OF INTEREST, MOTIVATION, SOME HAVE GIVEN UP, ALIENATED STUDENTS

CR VARIABLE 63 ID = 07465

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8015

DIFFERENCE = .0085 P = .1314

MODEL 2: ACH = CAT + CR R2 = .7930

DIFFERENCE = .0831 P = .3726

MODEL 3: ACH = CAT R2 = .7908

BETA FOR CR IN MODEL 2 = .8562

HI CR = 1.9063 LO CR = .9213

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8719
LO CAT, HI CR = -.9819
HI CAT, LO CR = .7721
HI CAT, HI CR = 1.1961

STUDENT PERSONALITY, OR TEACHER-STUDENT PERSONALITY CONFLICT

CR VARIABLE 64 ID = 07466

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8008

DIFFERENCE = .0001 P = .8794

MODEL 2: ACH = CAT + CR R2 = .8007

DIFFERENCE = .0108 P = .8864

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.1040

HI CR = 1.8828 LO CR = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7781
LO CAT, HI CR = -1.0882
HI CAT, LO CR = .9759
HI CAT, HI CR = 1.2818

RACIAL, ETHNIC, CULTURAL BACKGROUND AND VALUES

CR VARIABLE 65 ID = 07467

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8247

DIFFERENCE = .0062 P = .1699

MODEL 2: ACH = CAT + CR R2 = .8186

DIFFERENCE = .0286 P = .0049

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .1728

HI CR = 1.4888 LO CR = .7989

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0458
LO CAT, HI CR = -.7792
HI CAT, LO CR = .6386
HI CAT, HI CR = 1.2583

TEACHER CAN ALWAYS TRY TO DO SOMETHING: CAN DO ATTITUDE

CR VARIABLE 67 ID = 07469

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8157

DIFFERENCE = .0123 P = .0007

MODEL 2: ACH = CAT + CR R2 = .8035

DIFFERENCE = .0135 P = .0538

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .1228

HI CR = 1.4828 LO CR = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.1288
LO CAT, HI CR = -.6689
HI CAT, LO CR = .8716
HI CAT, HI CR = 1.8157

CLASSROOM CONSTRAINTS: SIZE, TIME OF DAY, AVAILABLE MATERIALS, ETC.

CR VARIABLE 66 ID = 07468

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7925

DIFFERENCE = .0014 P = .5567

MODEL 2: ACH = CAT + CR R2 = .7911

DIFFERENCE = .0012 P = .5864

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0347

HI CR = 1.6693 LO CR = .8135

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8839
LO CAT, HI CR = -.8383
HI CAT, LO CR = .9785
HI CAT, HI CR = .4939

OTHERS ABSENCE, SCHOOL POLICIES, GET STUCK WITH PROBLEM KIDS, ETC.

CR VARIABLE 68 ID = 07470

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7936

DIFFERENCE = .0029 P = .3918

MODEL 2: ACH = CAT + CR R2 = .7907

DIFFERENCE = .0007 P = .6653

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0278

HI CR = 1.6128 LO CR = .8018

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8118
LO CAT, HI CR = -.9774
HI CAT, LO CR = .8475
HI CAT, HI CR = 1.8271

Most important attributes a Junior High teacher needs to do an effective job:

NEED PATIENCE, FORTITUDE

CR VARIABLE 69 ID = 07471
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7928

DIFFERENCE = .0001 P = .8463

MODEL 2: ACH = CAT + CR R2 = .7927

DIFFERENCE = .0011 P = .6896

MODEL 3: ACH = CAT R2 = .7916

BETA FOR CR IN MODEL 2 = -.0331

HI CR = 1.8363 LO CR = .8788

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8628
LO CAT, HI CR = -.9856
HI CAT, LO CR = .9276
HI CAT, HI CR = .8522

NEED ENERGY, HEALTH

CR VARIABLE 71 ID = 07473

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7954

DIFFERENCE = .0027 P = .4548

MODEL 2: ACH = CAT + CR R2 = .7954

DIFFERENCE = .0032 P = .3413

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0575

HI CR = 1.5502 LO CR = .7947

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.7828
LO CAT, HI CR = -.9908
HI CAT, LO CR = .8748
HI CAT, HI CR = .9488

NEED SENSE OF HUMOR

CR VARIABLE 70 ID = 07472

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8029

DIFFERENCE = .0097 P = .1846

MODEL 2: ACH = CAT + CR R2 = .7932

DIFFERENCE = .0032 P = .3403

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0591

HI CR = .8828 LO CR = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.9686
LO CAT, HI CR = -.7598
HI CAT, LO CR = .9487
HI CAT, HI CR = .9683

NEED HONESTY, SINCERITY; BE A REAL PERSON

CR VARIABLE 72 ID = 07474

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7915

DIFFERENCE = .0005 P = .7208

MODEL 2: ACH = CAT + CR R2 = .7910

DIFFERENCE = .0011 P = .6057

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0327

HI CR = 1.3224 LO CR = .8156

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8281
LO CAT, HI CR = -.9687
HI CAT, LO CR = .8662
HI CAT, HI CR = .9381

NEED GOOD, CONSISTENT, FAIR DISCIPLINE AND CONTROL

CR VARIABLE 73 ID = 07475

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7979

DIFFERENCE = .0001 P = .8885

MODEL 2: ACH = CAT + CR R2 = .7978

DIFFERENCE = .0079 P = .1457

MODEL 3: ACH = CAT R2 = .7908

BETA FOR CR IN MODEL 2 = .0896

HI CR = 1.6493 LO CR = .8135

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9792
LO CAT, HI CR = -.7841
HI CAT, LO CR = .8018
HI CAT, HI CR = .9661

LIKE KIDS AND TEACHING; DEVOTION, ENTHUSIASM; DESIRE TO BE THERE

CR VARIABLE 75 ID = 07477

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7989

DIFFERENCE = .0082 P = .2975

MODEL 2: ACH = CAT + CR R2 = .7907

DIFFERENCE = .0008 P = .6413

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = .0276

HI CR = 1.7228 LO CR = .8289

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8689
LO CAT, HI CR = -.9895
HI CAT, LO CR = .8029
HI CAT, HI CR = 1.0286

UNDERSTANDING, CONCERN, CARING, INVOLVEMENT W/KIDS, THEIR PROBLEMS

CR VARIABLE 74 ID = 07476
NUMBER OF VALID SCORES = 96

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7986

DIFFERENCE = .0082 P = .8116

MODEL 2: ACH = CAT + CR R2 = .7948

DIFFERENCE = .0028 P = .4958

MODEL 3: ACH = CAT R2 = .7916

BETA FOR CR IN MODEL 2 = -.0561

HI CR = 2.0955 LO CR = 1.1188

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8692
LO CAT, HI CR = -.9538
HI CAT, LO CR = .8077
HI CAT, HI CR = .8426

NEED COMMUNICATION SKILLS

CR VARIABLE 76 ID = 07478

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7965

DIFFERENCE = .0059 P = .2120

MODEL 2: ACH = CAT + CR R2 = .7906

DIFFERENCE = .0006 P = .6913

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0249

HI CR = 1.6828 LO CR = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8457
LO CAT, HI CR = -1.0047
HI CAT, LO CR = .7271
HI CAT, HI CR = .9987

NEED FLEXIBILITY; BE OPEN TO NEW IDEAS, METHODS; BE OPEN-MINDED

CR VARIABLE 77 ID # 07479
NUMBER OF VALID SCORES = 96

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .3088

DIFFERENCE = .0105 P = .0491

MODEL 2: ACH = CAT + CR R2 = .7993

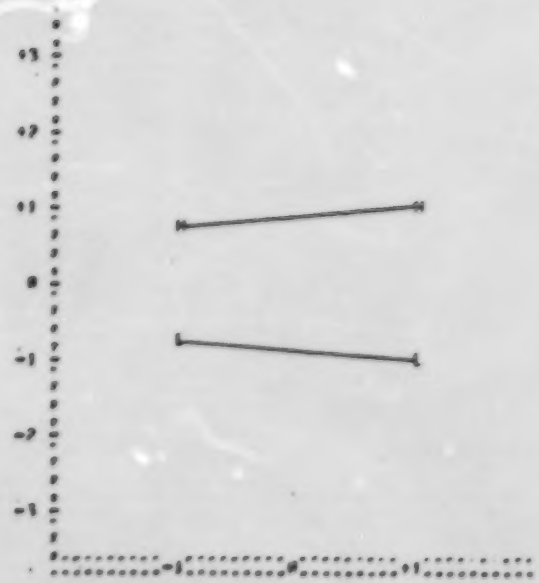
DIFFERENCE = .0027 P = .4168

MODEL 3: ACH = CAT R2 = .7916

BETA FOR CR IN MODEL 2 = .0516

HI CR = 1.4928 LO CR = .7929

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8268
LO CAT, HI CR = -.9728
HI CAT, LO CR = .7178
HI CAT, HI CR = 1.1972



NEED GOOD KNOWLEDGE OF SUBJECT MATTER

CR VARIABLE 78 ID # 07480
NUMBER OF VALID SCORES = 96

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7993

DIFFERENCE = .0000 P = .9924

MODEL 2: ACH = CAT + CR R2 = .7993

DIFFERENCE = .0077 P = .1971

MODEL 3: ACH = CAT R2 = .7916

BETA FOR CR IN MODEL 2 = .0878

HI CR = 2.0000 LO CR = 1.0000

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8185
LO CAT, HI CR = -.9998
HI CAT, LO CR = .9911
HI CAT, HI CR = 1.0955

NEED GOOD TEACHING SKILLS; ABILITY TO EXPLAIN, PREPARE, MOTIVATE

CR VARIABLE 79 ID # 07481
NUMBER OF VALID SCORES = 96

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .8004

DIFFERENCE = .0078 P = .1941

MODEL 2: ACH = CAT + CR R2 = .7926

DIFFERENCE = .0010 P = .6235

MODEL 3: ACH = CAT R2 = .7916

BETA FOR CR IN MODEL 2 = .0319

HI CR = 1.7885 LO CR = .8566

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -1.0299
LO CAT, HI CR = -.7823
HI CAT, LO CR = .9790
HI CAT, HI CR = 1.0458

NEED CONCEPT OF APPROPRIATE TEACHER-STUDENT RELATIONSHIP

CR VARIABLE AW ID = 07482

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7965

DIFFERENCE = .0015 P = .5395

MODEL 2: ACH = CAT + CR R2 = .7950

DIFFERENCE = .0051 P = .2475

MODEL 3: ACH = CAT R2 = .7900

BETA FOR CR IN MODEL 2 = -.0727

HI CR = 1.4828 LO CR = .7931

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.8293
LO CAT, HI CR = -.9196
HI CAT, LO CR = 1.0030
HI CAT, HI CR = .7021

OTHER: SELF-CONTROL; GOOD JUDGE OF PEOPLE; ADEQUATE MATERIALS, ETC.

CR VARIABLE AI ID = 07483
NUMBER OF VALID SCORES = 56

MODEL 1: ACH = CAT + CR + CAT*CR R2 = .7944

DIFFERENCE = .0007 P = .6865

MODEL 2: ACH = CAT + CR R2 = .7937

DIFFERENCE = .0021 P = .4761

MODEL 3: ACH = CAT R2 = .7916

BETA FOR CR IN MODEL 2 = .0867

HI CR = 1.7375 LO CR = .8388

EXPECTED VALUES FROM MODEL 1: (Z-SCALED)
LO CAT, LO CR = -.9635
LO CAT, HI CR = -.8189
HI CAT, LO CR = .8788
HI CAT, HI CR = .9258

TABLE 3

PREDICTION OF STUDENT ENGLISH ACHIEVEMENT

FROM TEACHER QUESTIONNAIRE AND CALIFORNIA ACHIEVEMENT TEST

USING MULTIPLE REGRESSION ANALYSES

PCT OF STUDENTS TEACHER EXPECTS TO MASTER CURRICULUM

```
CB VARIABLE  1       ID = 86001
NUMBER OF VALID SCORES =    73

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8563

   DIFFERENCE =   .0040   P =   .1473

MODEL 2, ACH = CAT + CB             R2 =   .8520

   DIFFERENCE =   .0006   P =   .5998

MODEL 3, ACH = CAT                  R2 =   .8513

BETA FOR CB IN MODEL 2 =  -.0252

HI CB =    3.8766   LO CB =    1.5480

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9822
   LO CAT, HI CB =    -.8492
   HI CAT, LO CB =    1.0839
   HI CAT, HI CB =     .0372
```

PCT OF GRADES BASED ON OBJECTIVE EVIDENCE

```
CB VARIABLE  2       ID = 86002
NUMBER OF VALID SCORES =    69

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8696

   DIFFERENCE =   .0005   P =   .6012

MODEL 2, ACH = CAT + CB             R2 =   .8692

   DIFFERENCE =   .0001   P =   .8333

MODEL 3, ACH = CAT                  R2 =   .8688

BETA FOR CB IN MODEL 2 =   .0956

HI CB =    4.1005   LO CB =    2.2363

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9956
   LO CAT, HI CB =    -.8551
   HI CAT, LO CB =     .8115
   HI CAT, HI CB =    1.0376
```


PCT OF GRADES BASED ON SUBJECTIVE EVIDENCE

```
CB VARIABLE  3       ID = 86003
NUMBER OF VALID SCORES =    69

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8651

   DIFFERENCE =   .0011   P =   .4797

MODEL 2, ACH = CAT + CB             R2 =   .8641

   DIFFERENCE =   .0040   P =   .1620

MODEL 3, ACH = CAT                  R2 =   .8600

BETA FOR CB IN MODEL 2 =  -.0636

HI CB =    2.1925   LO CB =     .0664

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8914
   LO CAT, HI CB =    -.9574
   HI CAT, LO CB =    1.0192
   HI CAT, HI CB =     .8260
```

TEACHER BELIEVES THAT
DISCIPLINE PROBLEMS ARE DUE TO LACK OF INTEREST IN SUBJECT

```
CB VARIABLE  4       ID = 86004
NUMBER OF VALID SCORES =    73

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8608

   DIFFERENCE =   .0022   P =   .3038

MODEL 2, ACH = CAT + CB             R2 =   .8587

   DIFFERENCE =   .0001   P =   .7850

MODEL 3, ACH = CAT                  R2 =   .8585

BETA FOR CB IN MODEL 2 =  -.0122

HI CB =    3.0557   LO CB =     .7251

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8788
   LO CAT, HI CB =    -.9715
   HI CAT, LO CB =     .8966
   HI CAT, HI CB =     .9733
```

DISCIPLINE PROBLEMS ARE DUE TO LAXITY IN ENFORCING RULES

CB VARIABLE 5 ID = 86085
NUMBER OF VALID SCORES = 71

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8693

DIFFERENCE = .0055 P = .0933

MODEL 2, ACH = CAT + CB R2 = .8638

DIFFERENCE = .0015 P = .3971

MODEL 3, ACH = CAT R2 = .8623

BETA FOR CB IN MODEL 2 = -.0392

HI CB = 1.9478 LO CB = -.2805

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8456
LO CAT, HI CB = -1.1077
HI CAT, LO CB = .9024
HI CAT, HI CB = .9848

DISCIPLINE PROBLEMS ARE DUE TO FACTORS INTRINSIC IN STUDENT

CB VARIABLE 6 ID = 86086
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8714

DIFFERENCE = .0118 P = .0137

MODEL 2, ACH = CAT + CB R2 = .8596

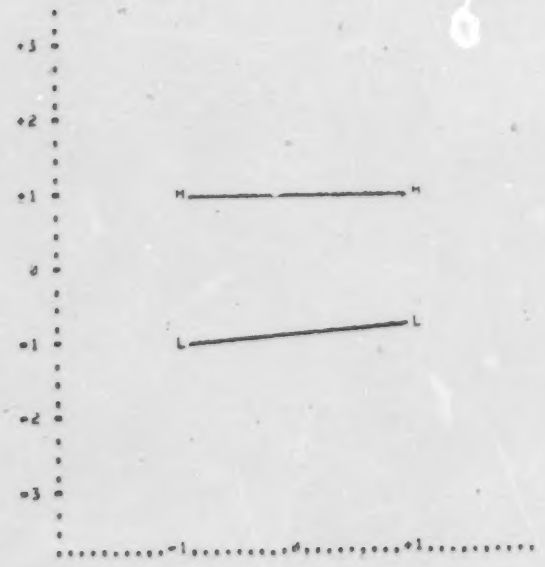
DIFFERENCE = .0011 P = .4753

MODEL 3, ACH = CAT R2 = .8585

BETA FOR CB IN MODEL 2 = .0327

HI CB = 2.0535 LO CB = .0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0882
LO CAT, HI CB = -.7821
HI CAT, LO CB = 1.0089
HI CAT, HI CB = .8928



CLASS TIME SHOULD BE SPENT IN LECTURES, DEMONSTRATIONS

CB VARIABLE 7 ID = 00007
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8603

DIFFERENCE = .0012 P = .4619

MODEL 2, ACH = CAT + CB R2 = .8591

DIFFERENCE = .0005 P = .6152

MODEL 3, ACH = CAT R2 = .8585

BETA FOR CB IN MODEL 2 = -.0231

HI CB = 1.6936 LO CB = .2516

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9399
LO CAT, HI CB = -.9186
HI CAT, LO CB = .9784
HI CAT, HI CB = .8711

CLASS TIME SHOULD BE SPENT IN SEATWORK

CB VARIABLE 9 ID = 00009
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8596

DIFFERENCE = .0004 P = .6593

MODEL 2, ACH = CAT + CB R2 = .8592

DIFFERENCE = .0007 P = .5737

MODEL 3, ACH = CAT R2 = .8585

BETA FOR CB IN MODEL 2 = -.0263

HI CB = 2.1499 LO CB = .7816

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9307
LO CAT, HI CB = -.9236
HI CAT, LO CB = .9785
HI CAT, HI CB = .8934

CLASS TIME SHOULD BE SPENT IN QUESTIONS, DISCUSSIONS

CB VARIABLE 8 ID = 00008
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8640

DIFFERENCE = .0001 P = .8102

MODEL 2, ACH = CAT + CB R2 = .8639

DIFFERENCE = .0053 P = .0979

MODEL 3, ACH = CAT R2 = .8585

BETA FOR CB IN MODEL 2 = .0732

HI CB = 2.2829 LO CB = .6408

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0867
LO CAT, HI CB = -.8376
HI CAT, LO CB = .8606
HI CAT, HI CB = .9857

TEACHER LIKES HIGH LEVEL OF ERRORLESS PERFORMANCE IN CLASS DISCUSSIONS

CB VARIABLE 10 ID = 00010
NUMBER OF VALID SCORES = 70

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8676

DIFFERENCE = .0021 P = .3486

MODEL 2, ACH = CAT + CB R2 = .8655

DIFFERENCE = .0033 P = .2028

MODEL 3, ACH = CAT R2 = .8622

BETA FOR CB IN MODEL 2 = .0573

HI CB = 4.1415 LO CB = 2.3155

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0329
LO CAT, HI CB = -.8155
HI CAT, LO CB = .9061
HI CAT, HI CB = .9417

TEACHER LIKES HIGH LEVEL OF ERRORLESS PERFORMANCE IN SEATWORK

CB VARIABLE 11 ID = 00011
NUMBER OF VALID SCORES = 72

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0647

DIFFERENCE = .0004 P = .6648

MODEL 2, ACH = CAT + CB R2 = .0643

DIFFERENCE = .0001 P = .7827

MODEL 3, ACH = CAT R2 = .0641

BETA FOR CB IN MODEL 2 = -.0121

HI CB = 0.1159 LO CB = 2.4952

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9323
LO CAT, HI CB = -.9273
HI CAT, LO CB = .9671
HI CAT, HI CB = .8968

TEACHERS SPEND HIGH PCT OF TIME TEACHING INDIVIDUALS

CB VARIABLE 12 ID = 00012
NUMBER OF VALID SCORES = 71

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0588

DIFFERENCE = .0028 P = .2518

MODEL 2, ACH = CAT + CB R2 = .0559

DIFFERENCE = .0000 P = .9641

MODEL 3, ACH = CAT R2 = .0559

BETA FOR CB IN MODEL 2 = -.0028

HI CB = 1.7551 LO CB = .2731

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8665
LO CAT, HI CB = -.9864
HI CAT, LO CB = .8782
HI CAT, HI CB = .9762

TEACHERS SPEND HIGH PCT OF TIME TEACHING SUBGROUPS

CB VARIABLE 13 ID = 00013
NUMBER OF VALID SCORES = 69

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0618

DIFFERENCE = .0036 P = .1979

MODEL 2, ACH = CAT + CB R2 = .0575

DIFFERENCE = .0010 P = .4233

MODEL 3, ACH = CAT R2 = .0568

BETA FOR CB IN MODEL 2 = .0386

HI CB = 1.3357 LO CB = .1135

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8943
LO CAT, HI CB = -.9351
HI CAT, LO CB = .8449
HI CAT, HI CB = 1.0264

TEACHERS SPEND HIGH PCT OF TIME TEACHING WHOLE CLASS

CB VARIABLE 14 ID = 00014
NUMBER OF VALID SCORES = 71

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0650

DIFFERENCE = .0069 P = .0674

MODEL 2, ACH = CAT + CB R2 = .0585

DIFFERENCE = .0006 P = .6048

MODEL 3, ACH = CAT R2 = .0559

BETA FOR CB IN MODEL 2 = -.0245

HI CB = 3.2848 LO CB = 1.3631

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9841
LO CAT, HI CB = -.8384
HI CAT, LO CB = 1.0436
HI CAT, HI CB = .8218

FREQUENCY OF HOMEWORK ASSIGNED

CB VARIABLE 15 ID = 00015
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0004

DIFFERENCE = .0000 P = .5753

MODEL 2, ACH = CAT + CB R2 = .0597

DIFFERENCE = .0054 P = .0958

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0774

HI CB = 2.2836 LO CB = .3031

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9841
LO CAT, HI CB = -.8619
HI CAT, LO CB = .7988
HI CAT, HI CB = .9973

MOST VALUABLE INFORMATION ABOUT STUDENTS COMES FROM ACHIEVEMENT TESTS

CB VARIABLE 17 ID = 00017
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0583

DIFFERENCE = .0000 P = .6618

MODEL 2, ACH = CAT + CB R2 = .0559

DIFFERENCE = .0016 P = .3790

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0407

HI CB = .6238 LO CB = -.1963

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9132
LO CAT, HI CB = -.9414
HI CAT, LO CB = .9918
HI CAT, HI CB = .8796

MOST VALUABLE INFORMATION ABOUT STUDENTS COMES FROM GRADES

CB VARIABLE 16 ID = 00016
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0555

DIFFERENCE = .0000 P = .9867

MODEL 2, ACH = CAT + CB R2 = .0550

DIFFERENCE = .0011 P = .4618

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0337

HI CB = .6883 LO CB = -.1816

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9638
LO CAT, HI CB = -.8865
HI CAT, LO CB = .8957
HI CAT, HI CB = .9539

MOST VALUABLE INFORMATION ABOUT STUDENTS COMES FROM SUBJECTIVE EVALUATION

CB VARIABLE 18 ID = 00018
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0556

DIFFERENCE = .0000 P = .9225

MODEL 2, ACH = CAT + CB R2 = .0556

DIFFERENCE = .0013 P = .4384

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0359

HI CB = 1.2888 LO CB = .4808

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9683
LO CAT, HI CB = -.8845
HI CAT, LO CB = .8926
HI CAT, HI CB = .9563

TEACHERS TRY TO DRESS UP LESSONS TO MAKE THEM INTERESTING

```
CB VARIABLE 19      ID # 00019
NUMBER OF VALID SCORES #    75

MODEL 1, ACH # CAT + CB + CAT*CB   R2 #   .0000

   DIFFERENCE #   .0035   P #   .1852

MODEL 2, ACH # CAT + CB            R2 #   .0578

   DIFFERENCE #   .0027   P #   .2496

MODEL 3, ACH # CAT                 R2 #   .0543

BETA FOR CB IN MODEL 2 #   .0517

HI CB #    1.1500   LO CB #     .7648

EXPECTED VALUES FROM MODEL 1, (Z*SCALED)
   LO CAT, LO CB #    -.8700
   LO CAT, HI CB #    -.9698
   HI CAT, LO CB #     .8292
   HI CAT, HI CB #    1.0274
```

TEACHERS ASSUME STUDENTS WILL ENJOY LESSON WITHOUT SPECIAL EFFORTS

```
CB VARIABLE 20      ID # 00020
NUMBER OF VALID SCORES #    75

MODEL 1, ACH # CAT + CB + CAT*CB   R2 #   .0557

   DIFFERENCE #   .0013   P #   .4378

MODEL 2, ACH # CAT + CB            R2 #   .0544

   DIFFERENCE #   .0001   P #   .8421

MODEL 3, ACH # CAT                 R2 #   .0543

BETA FOR CB IN MODEL 2 #  -.0087

HI CB #     .1878   LO CB #    -.1344

EXPECTED VALUES FROM MODEL 1, (Z*SCALED)
   LO CAT, LO CB #    -.9504
   LO CAT, HI CB #    -.8889
   HI CAT, LO CB #     .9693
   HI CAT, HI CB #     .8779
```


TEACHER MEASURE THEIR SUCCESS BY STUDENTS APPEARING TO UNDERSTAND THE MATERIAL

```
CB VARIABLE 21      ID # 00021
NUMBER OF VALID SCORES #    75

MODEL 1, ACH # CAT + CB + CAT*CB   R2 #   .0572

   DIFFERENCE #   .0003   P #   .7129

MODEL 2, ACH # CAT + CB            R2 #   .0578

   DIFFERENCE #   .0027   P #   .2582

MODEL 3, ACH # CAT                 R2 #   .0543

BETA FOR CB IN MODEL 2 #   .0518

HI CB #    1.1913   LO CB #     .6687

EXPECTED VALUES FROM MODEL 1, (Z*SCALED)
   LO CAT, LO CB #    -.9392
   LO CAT, HI CB #    -.9849
   HI CAT, LO CB #     .8578
   HI CAT, HI CB #     .9966
```

STUDENTS ASKING FEWER QUESTIONS

```
CB VARIABLE 22      ID # 00022
NUMBER OF VALID SCORES #    75

MODEL 1, ACH # CAT + CB + CAT*CB   R2 #   .0592

   DIFFERENCE #   .0028   P #   .2388

MODEL 2, ACH # CAT + CB            R2 #   .0565

   DIFFERENCE #   .0021   P #   .3031

MODEL 3, ACH # CAT                 R2 #   .0543

BETA FOR CB IN MODEL 2 #  -.0497

HI CB #     .0154   LO CB #    -.2028

EXPECTED VALUES FROM MODEL 1, (Z*SCALED)
   LO CAT, LO CB #    -1.0317
   LO CAT, HI CB #     -.7325
   HI CAT, LO CB #     1.0033
   HI CAT, HI CB #     .9037
```

STUDENTS BEGINNING WORK IMMEDIATELY

```
CB VARIABLE 23      ID = 00023
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0612

   DIFFERENCE =   .0053   P =   .1818

MODEL 2, ACH = CAT + CB             R2 =   .0559

   DIFFERENCE =   .0016   P =   .3767

MODEL 3, ACH = CAT                  R2 =   .0543

BETA FOR CB IN MODEL 2 =  -.0410

HI CB =    1.1200   LO CB =     .1680

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9587
   LO CAT, HI CB =    -.9833
   HI CAT, LO CB =    1.0034
   HI CAT, HI CB =     .8296
```

SLOWER STUDENTS APPEARING TO UNDERSTAND

```
CB VARIABLE 24      ID = 00024
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0580

   DIFFERENCE =   .0009   P =   .5213

MODEL 2, ACH = CAT + CB             R2 =   .0571

   DIFFERENCE =   .0028   P =   .2369

MODEL 3, ACH = CAT                  R2 =   .0543

BETA FOR CB IN MODEL 2 =  -.0548

HI CB =    1.2071   LO CB =     .4996

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.7855
   LO CAT, HI CB =   -1.0868
   HI CAT, LO CB =     .9523
   HI CAT, HI CB =     .8764
```


CORRECTLY DONE SEATWORK ASSIGNMENTS

```
CB VARIABLE 25      ID = 00025
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0568

   DIFFERENCE =   .0000   P =   .8705

MODEL 2, ACH = CAT + CB             R2 =   .0568

   DIFFERENCE =   .0025   P =   .2684

MODEL 3, ACH = CAT                  R2 =   .0543

BETA FOR CB IN MODEL 2 =  -.0502

HI CB =    1.1690   LO CB =     .2710

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8790
   LO CAT, HI CB =    -.9599
   HI CAT, LO CB =     .9741
   HI CAT, HI CB =     .8000
```

A WELL-BEHAVED CLASS

```
CB VARIABLE 26      ID = 00026
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0560

   DIFFERENCE =   .0016   P =   .3884

MODEL 2, ACH = CAT + CB             R2 =   .0544

   DIFFERENCE =   .0001   P =   .8155

MODEL 3, ACH = CAT                  R2 =   .0543

BETA FOR CB IN MODEL 2 =   .0185

HI CB =     .9656   LO CB =    -.0322

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9642
   LO CAT, HI CB =    -.8598
   HI CAT, LO CB =     .9694
   HI CAT, HI CB =     .9028
```

STUDENTS APPEARING TO ENJOY SCHOOL

```
CB VARIABLE 27       ID = 86027
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8545

   DIFFERENCE =   .0000   P =   .9771

MODEL 2, ACH = CAT + CB             R2 =   .8545

   DIFFERENCE =   .0002   P =   .7619

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0136

HI CB =    1.1381   LO CB =     .1953

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9186
   LO CAT, HI CB =    -.9393
   HI CAT, LO CB =     .9374
   HI CAT, HI CB =     .9124
```

TEACHERS BELIEVE THAT
PARENTS ARE BEST UTILIZED AS TUTORS AT HOME

```
CB VARIABLE 29       ID = 86029
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8712

   DIFFERENCE =   .0128   P =   .0095

MODEL 2, ACH = CAT + CB             R2 =   .8584

   DIFFERENCE =   .0041   P =   .1482

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0687

HI CB =     .9858   LO CB =    -.0791

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.6472
   LO CAT, HI CB =   -1.0129
   HI CAT, LO CB =     .8593
   HI CAT, HI CB =     .9714
```

STUDENTS BEING ABLE TO WORK ON THEIR OWN

```
CB VARIABLE 28       ID = 86028
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8583

   DIFFERENCE =   .0039   P =   .1636

MODEL 2, ACH = CAT + CB             R2 =   .8544

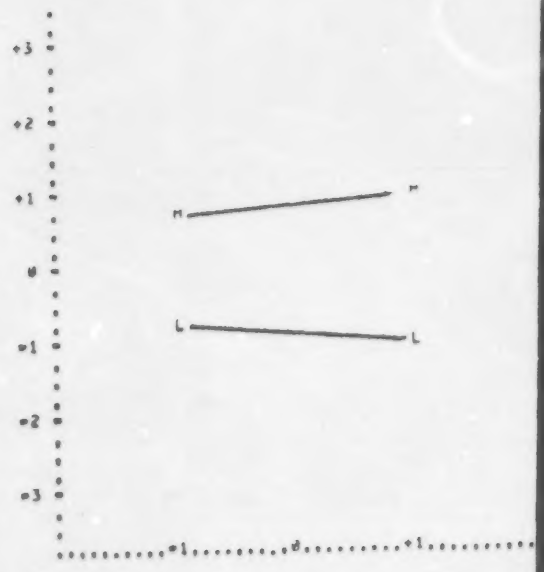
   DIFFERENCE =   .0001   P =   .8358

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0092

HI CB =    1.1208   LO CB =     .1608

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8151
   LO CAT, HI CB =    -.9854
   HI CAT, LO CB =     .8715
   HI CAT, HI CB =     .9723
```



PARENTS ARE BEST UTILIZED IN PTA AND PROJECT PARTICIPATION

```
CB VARIABLE 30       ID = 00030
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8596

   DIFFERENCE =   .0053   P =   .1026

MODEL 2, ACH = CAT + CB             R2 =   .8543

   DIFFERENCE =   .0000   P =   .9731

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0014

HI CB =     .8737   LO CB =    -.1003

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9883
   LO CAT, HI CB =    -.8336
   HI CAT, LO CB =     .9983
   HI CAT, HI CB =     .8544
```

PARENTS ARE BEST UTILIZED IN EXTRACURRICULAR ACTIVITIES

```
CB VARIABLE 32       ID = 00032
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8562

   DIFFERENCE =   .0005   P =   .6325

MODEL 2, ACH = CAT + CB             R2 =   .8557

   DIFFERENCE =   .0014   P =   .4165

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =   .0370

HI CB =     .8226   LO CB =    -.1292

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9398
   LO CAT, HI CB =    -.9129
   HI CAT, LO CB =     .8653
   HI CAT, HI CB =     .9836
```

PARENTS ARE BEST UTILIZED FOR HELP IN FIELD TRIPS

```
CB VARIABLE 31       ID = 00031
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8597

   DIFFERENCE =   .0057   P =   .0897

MODEL 2, ACH = CAT + CB             R2 =   .8558

   DIFFERENCE =   .0007   P =   .5551

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0276

HI CB =    1.0445   LO CB =     .0488

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9483
   LO CAT, HI CB =    -.8324
   HI CAT, LO CB =    1.0216
   HI CAT, HI CB =     .8133
```

PARENTS ARE BEST UTILIZED IN DISCIPLINING STUDENTS AT HOME

```
CB VARIABLE 33       ID = 00033
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8557

   DIFFERENCE =   .0013   P =   .0252

MODEL 2, ACH = CAT + CB             R2 =   .8544

   DIFFERENCE =   .0001   P =   .8315

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0094

HI CB =    1.2966   LO CB =     .9734

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8284
   LO CAT, HI CB =    -.9796
   HI CAT, LO CB =     .8936
   HI CAT, HI CB =     .9446
```

PARENTS ARE BEST UTILIZED BY SEEING THAT HOMEWORK, PROJECTS GET DONE

```
CB VARIABLE 34       ID = 00034
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =    .0559

   DIFFERENCE =    .0001    P =    .8338

MODEL 2, ACH = CAT + CB             R2 =    .0558

   DIFFERENCE =    .0015    P =    .3968

MODEL 3, ACH = CAT                  R2 =    .0543

BETA FOR CB IN MODEL 2 =  -.0386

HI CB =     1.2066   LO CB =      .0738

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8788
   LO CAT, HI CB =    -.9726
   HI CAT, LO CB =     .9519
   HI CAT, HI CB =     .8958
```

PARENTS ARE BEST UTILIZED TO PROVIDE ENRICHMENT, BOOKS, ETC.

```
CB VARIABLE 36       ID = 00036
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =    .0605

   DIFFERENCE =    .0013    P =    .4208

MODEL 2, ACH = CAT + CB             R2 =    .0592

   DIFFERENCE =    .0049    P =    .1137

MODEL 3, ACH = CAT                  R2 =    .0543

BETA FOR CB IN MODEL 2 =  -.0702

HI CB =     1.1292   LO CB =      .1774

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8953
   LO CAT, HI CB =    -.9644
   HI CAT, LO CB =    1.0445
   HI CAT, HI CB =     .8254
```

PARENTS ARE BEST UTILIZED TO PROVIDE WARM, POSITIVE HOME ENVIRONMENT

```
CB VARIABLE 35       ID = 00035
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =    .0550

   DIFFERENCE =    .0003    P =    .6840

MODEL 2, ACH = CAT + CB             R2 =    .0546

   DIFFERENCE =    .0003    P =    .7425

MODEL 3, ACH = CAT                  R2 =    .0543

BETA FOR CB IN MODEL 2 =   .0174

HI CB =     1.2028   LO CB =      .5846

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9656
   LO CAT, HI CB =    -.8875
   HI CAT, LO CB =     .9236
   HI CAT, HI CB =     .9259
```

TEACHER BELIEFS ABOUT GOOD TEACHING:
ABILITY TO EXPLAIN OR SHOW HOW

```
CB VARIABLE 37       ID = 00037
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =    .0579

   DIFFERENCE =    .0023    P =    .6896

MODEL 2, ACH = CAT + CB             R2 =    .0576

   DIFFERENCE =    .0033    P =    .2044

MODEL 3, ACH = CAT                  R2 =    .0543

BETA FOR CB IN MODEL 2 =  -.0373

HI CB =     4.1690   LO CB =     3.2718

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8537
   LO CAT, HI CB =   -1.0034
   HI CAT, LO CB =     .9017
   HI CAT, HI CB =     .8889
```

ABILITY TO INITIATE OR DIRECT

CB VARIABLE 38 ID = 00038
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0578

DIFFERENCE = .0001 P = .8425

MODEL 2, ACH = CAT + CB R2 = .0569

DIFFERENCE = .0026 P = .2578

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0508

HI CB = 3.9498 LO CB = 2.4777

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9928
LO CAT, HI CB = -.8664
HI CAT, LO CB = .0852
HI CAT, HI CB = .9710

ABILITY TO DIAGNOSE LEARNING PROBLEMS

CB VARIABLE 39 ID = 00039
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0557

DIFFERENCE = .0000 P = .9767

MODEL 2, ACH = CAT + CB R2 = .0557

DIFFERENCE = .0014 P = .4065

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0377

HI CB = 3.0852 LO CB = 2.3548

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.0828
LO CAT, HI CB = -.4681
HI CAT, LO CB = .9583
HI CAT, HI CB = .8849

ABILITY TO MAKE CURRICULUM MATERIALS

CB VARIABLE 40 ID = 00040
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0562

DIFFERENCE = .0002 P = .7818

MODEL 2, ACH = CAT + CB R2 = .0561

DIFFERENCE = .0018 P = .3538

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0420

HI CB = 3.0395 LO CB = 1.6139

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9587
LO CAT, HI CB = -.8074
HI CAT, LO CB = .0765
HI CAT, HI CB = .9023

ABILITY TO ORGANIZE THE CLASSROOM

CB VARIABLE 41 ID = 00041
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0623

DIFFERENCE = .0000 P = .9520

MODEL 2, ACH = CAT + CB R2 = .0623

DIFFERENCE = .0080 P = .0410

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0993

HI CB = 3.0986 LO CB = 2.0447

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0054
LO CAT, HI CB = -.8183
HI CAT, LO CB = .0242
HI CAT, HI CB = 1.0020

ABILITY TO INVOLVE STUDENTS IN DISTRESSING ASPECTS OF SUBJECTS

CB VARIABLE 42 ID = 00042
NUMBER OF VALID SCORES = 71

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0629

DIFFERENCE = .0000 P = .9120

MODEL 2, ACH = CAT + CB R2 = .0629

DIFFERENCE = .0000 P = .9739

MODEL 3, ACH = CAT R2 = .0628

BETA FOR CB IN MODEL 2 = -.0015

HI CB = 2.0854 LO CB = .1298

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9311
LO CAT, HI CB = -.9223
HI CAT, LO CB = .9160
HI CAT, HI CB = .9289

ABILITY TO PROVIDE MATERIALS TO EVERY STUDENT

CB VARIABLE 43 ID = 00043
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0534

DIFFERENCE = .0003 P = .7291

MODEL 2, ACH = CAT + CB R2 = .0532

DIFFERENCE = .0022 P = .3133

MODEL 3, ACH = CAT R2 = .0510

BETA FOR CB IN MODEL 2 = .0466

HI CB = 2.2394 LO CB = -.0199

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9586
LO CAT, HI CB = -.8859
HI CAT, LO CB = .8578
HI CAT, HI CB = .9853

ABILITY TO GAIN STUDENTS UNDIVIDED ATTENTION

CB VARIABLE 44 ID = 00044
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0578

DIFFERENCE = .0000 P = .8732

MODEL 2, ACH = CAT + CB R2 = .0578

DIFFERENCE = .0035 P = .1051

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0592

HI CB = 3.0512 LO CB = .9222

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9802
LO CAT, HI CB = -.8545
HI CAT, LO CB = .8685
HI CAT, HI CB = .9720

ABILITY TO ENCOURAGE STUDENTS TO ATTEMPT HARD PROBLEMS

CB VARIABLE 45 ID = 00045
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0624

DIFFERENCE = .0034 P = .1923

MODEL 2, ACH = CAT + CB R2 = .0585

DIFFERENCE = .0013 P = .4401

MODEL 3, ACH = CAT R2 = .0573

BETA FOR CB IN MODEL 2 = .0355

HI CB = 3.2362 LO CB = 1.4213

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9158
LO CAT, HI CB = -.9489
HI CAT, LO CB = .8497
HI CAT, HI CB = 1.0580

ABILITY TO MAKE STUDENTS AWARE THAT THEY ARE IN SCHOOL TO LEARN

CB VARIABLE 46 ID = 00046
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0594

DIFFERENCE = .0026 P = .2433

MODEL 2, ACH = CAT + CB R2 = .0568

DIFFERENCE = .0030 P = .2268

MODEL 3, ACH = CAT R2 = .0535

BETA FOR CB IN MODEL 2 = .0591

HI CB = 3.0359 LO CB = 1.1038

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0763
LO CAT, HI CB = -.0169
HI CAT, LO CB = .9383
HI CAT, HI CB = .9401

ABILITY TO FORM WARM PERSONAL RELATIONSHIPS WITH STUDENTS

CB VARIABLE 48 ID = 00048
NUMBER OF VALID SCORES = 74

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0548

DIFFERENCE = .0008 P = .9279

MODEL 2, ACH = CAT + CB R2 = .0540

DIFFERENCE = .0000 P = .0989

MODEL 3, ACH = CAT R2 = .0539

BETA FOR CB IN MODEL 2 = .0055

HI CB = 3.7163 LO CB = 1.9664

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9274
LO CAT, HI CB = -.9215
HI CAT, LO CB = .9184
HI CAT, HI CB = .9348

ABILITY TO ENGAGE STUDENTS IN PEER TUTORING

CB VARIABLE 47 ID = 00047
NUMBER OF VALID SCORES = 74

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0560

DIFFERENCE = .0002 P = .9826

MODEL 2, ACH = CAT + CB R2 = .0566

DIFFERENCE = .0026 P = .2590

MODEL 3, ACH = CAT R2 = .0539

BETA FOR CB IN MODEL 2 = -.0517

HI CB = 3.0971 LO CB = 1.0434

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8635
LO CAT, HI CB = -.9678
HI CAT, LO CB = .9664
HI CAT, HI CB = .8648

HAVING A GOOD SENSE OF HUMOR

CB VARIABLE 49 ID = 00049
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0546

DIFFERENCE = .0003 P = .7163

MODEL 2, ACH = CAT + CB R2 = .0543

DIFFERENCE = .0000 P = .9642

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0020

HI CB = 3.1853 LO CB = 2.9881

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9033
LO CAT, HI CB = -.9483
HI CAT, LO CB = .9886
HI CAT, HI CB = .9614

ABILITY TO CONTROL CLASSROOM

CB VARIABLE 50 ID = 00050
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8567

DIFFERENCE = .0002 P = .7572

MODEL 2, ACH = CAT + CB R2 = .8565

DIFFERENCE = .0022 P = .2956

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0474

HI CB = 4.1690 LO CB = 3.2718

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9536
LO CAT, HI CB = -.8957
HI CAT, LO CB = .8678
HI CAT, HI CB = .9897

ABILITY TO GIVE CLEAR INSTRUCTIONS

CB VARIABLE 51 ID = 00051
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8581

DIFFERENCE = .0017 P = .3619

MODEL 2, ACH = CAT + CB R2 = .8564

DIFFERENCE = .0001 P = .8129

MODEL 3, ACH = CAT R2 = .8563

BETA FOR CB IN MODEL 2 = -.0184

HI CB = 4.1883 LO CB = 3.1263

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8682
LO CAT, HI CB = -.9786
HI CAT, LO CB = .8864
HI CAT, HI CB = .9514

ABILITY TO DO REMEDIAL WORK WITH SLOW LEARNERS

CB VARIABLE 52 ID = 00052
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8661

DIFFERENCE = .0036 P = .1662

MODEL 2, ACH = CAT + CB R2 = .8625

DIFFERENCE = .0082 P = .0394

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0933

HI CB = 3.9861 LO CB = 2.6272

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7240
LO CAT, HI CB = -1.0294
HI CAT, LO CB = .9392
HI CAT, HI CB = .8713

ABILITY TO MOTIVATE STUDENTS TO ENJOY SCHOOLWORK

CB VARIABLE 53 ID = 00053
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8593

DIFFERENCE = .0049 P = .1161

MODEL 2, ACH = CAT + CB R2 = .8544

DIFFERENCE = .0001 P = .8485

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0089

HI CB = 3.9383 LO CB = 2.4697

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8144
LO CAT, HI CB = -.9765
HI CAT, LO CB = .8420
HI CAT, HI CB = 1.0191

HAVING ENTHUSIASM

CB VARIABLE 56 ID = 06056
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8618

DIFFERENCE = .0032 P = .1999

MODEL 2, ACH = CAT + CB R2 = .8578

DIFFERENCE = .0035 P = .1870

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0589

MI CB = 0.0831 LO CB = 2.9836

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7963
LO CAT, MI CB = -1.0496
MI CAT, LO CB = .9376
MI CAT, MI CB = .9215

BEING WARM TOWARD OTHERS

CB VARIABLE 55 ID = 06055
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8582

DIFFERENCE = .0030 P = .2184

MODEL 2, ACH = CAT + CB R2 = .8552

DIFFERENCE = .0009 P = .5245

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0292

MI CB = 0.0169 LO CB = 2.7565

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9140
LO CAT, MI CB = -.9567
MI CAT, LO CB = .8458
MI CAT, MI CB = 1.0197

PRAISING FREQUENTLY

CB VARIABLE 56 ID = 06056
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8669

DIFFERENCE = .0096 P = .0251

MODEL 2, ACH = CAT + CB R2 = .8573

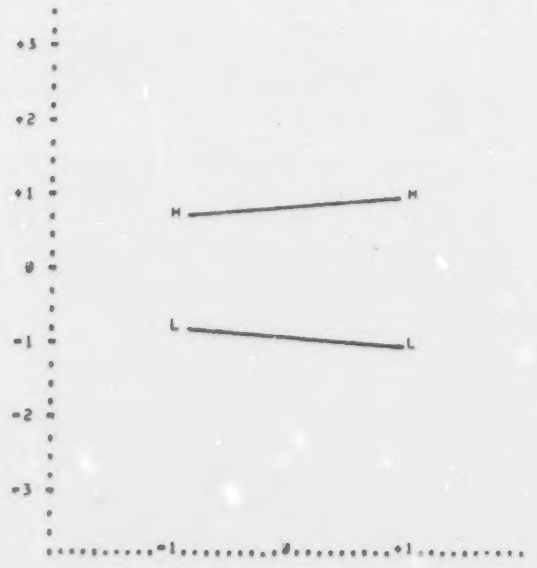
DIFFERENCE = .0029 P = .2245

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0558

MI CB = 3.9171 LO CB = 2.6962

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8518
LO CAT, MI CB = -.9826
MI CAT, LO CB = .7983
MI CAT, MI CB = 1.1173



ABILITY TO GET STUDENT RESPECT

CB VARIABLE 57 ID # 00057
NUMBER OF VALID SCORES # 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0589

DIFFERENCE = .0045 P = .1331

MODEL 2, ACH = CAT + CB R2 = .0544

DIFFERENCE = .0001 P = .8543

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0088

HI CB = 4.0164 LO CB = 2.9169

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8393
LO CAT, HI CB = -1.0134
HI CAT, LO CB = .8717
HI CAT, HI CB = .9805

ABILITY TO EQUIP STUDENTS TO DO WELL ON STANDARDIZED TESTS

CB VARIABLE 58 ID # 00058
NUMBER OF VALID SCORES # 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0633

DIFFERENCE = .0061 P = .0759

MODEL 2, ACH = CAT + CB R2 = .0572

DIFFERENCE = .0020 P = .2296

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0554

HI CB = 2.3619 LO CB = .3581

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8367
LO CAT, HI CB = -.9537
HI CAT, LO CB = .8486
HI CAT, HI CB = 1.0746

KNOWING AND USING BEHAVIOR MODIFICATION TECHNIQUES

CB VARIABLE 59 ID # 00059
NUMBER OF VALID SCORES # 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0612

DIFFERENCE = .0041 P = .1089

MODEL 2, ACH = CAT + CB R2 = .0571

DIFFERENCE = .0028 P = .2362

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0536

HI CB = 3.1176 LO CB = 1.6291

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0433
LO CAT, HI CB = -.7848
HI CAT, LO CB = .9236
HI CAT, HI CB = .9127

TEACHERS REPORT USING THE FOLLOWING MOTIVATIONAL TECHNIQUES:
PRAISE

CB VARIABLE 60 ID # 00060
NUMBER OF VALID SCORES # 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0549

DIFFERENCE = .0007 P = .1314

MODEL 2, ACH = CAT + CB R2 = .0542

DIFFERENCE = .0007 P = .5838

MODEL 3, ACH = CAT R2 = .0536

BETA FOR CB IN MODEL 2 = .0265

HI CB = 4.0948 LO CB = 2.8101

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8196
LO CAT, HI CB = -.9692
HI CAT, LO CB = .8526
HI CAT, HI CB = 1.0227

PUBLIC RECOGNITION (ANNOUNCEMENT OF ACHIEVEMENTS)

CB VARIABLE 61 ID = 00061
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0553

DIFFERENCE = .0000 P = .9542

MODEL 2, ACH = CAT + CB R2 = .0553

DIFFERENCE = .0010 P = .0938

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0317

HI CB = 3.0892 LO CB = 1.9908

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9630
LO CAT, HI CB = -.8901
HI CAT, LO CB = .8094
HI CAT, HI CB = .9565

SPECIAL PRIVILEGES

CB VARIABLE 63 ID = 00063
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0648

DIFFERENCE = .0031 P = .2044

MODEL 2, ACH = CAT + CB R2 = .0649

DIFFERENCE = .0004 P = .0411

MODEL 3, ACH = CAT R2 = .0525

BETA FOR CB IN MODEL 2 = -.0940

HI CB = 2.0570 LO CB = 1.0600

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7342
LO CAT, HI CB = -1.0550
HI CAT, LO CB = .9667
HI CAT, HI CB = .0720

EXEMPTION FROM TESTS

CB VARIABLE 62 ID = 00062
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0557

DIFFERENCE = .0004 P = .0625

MODEL 2, ACH = CAT + CB R2 = .0553

DIFFERENCE = .0010 P = .0624

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0322

HI CB = 2.1189 LO CB = .3878

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8581
LO CAT, HI CB = -.9881
HI CAT, LO CB = .9302
HI CAT, HI CB = .9054

CONTESTS AND COMPETITIVE GAMES

CB VARIABLE 64 ID = 00064
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0591

DIFFERENCE = .0015 P = .3844

MODEL 2, ACH = CAT + CB R2 = .0576

DIFFERENCE = .0033 P = .1985

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0584

HI CB = 3.0868 LO CB = 1.3908

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8173
LO CAT, HI CB = -1.0833
HI CAT, LO CB = .9477
HI CAT, HI CB = .8986

NOTES TO PARENTS

CB VARIABLE 65 ID = 00065
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0589

DIFFERENCE = .0038 P = .2258

MODEL 2, ACH = CAT + CB R2 = .0559

DIFFERENCE = .0016 P = .3798

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0487

HI CB = 3.0095 LO CB = 1.7239

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9285
LO CAT, HI CB = -.9834
HI CAT, LO CB = .0599
HI CAT, HI CB = 1.0527

WRITTEN COMMENTS ON PAPERS

CB VARIABLE 66 ID = 00066
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0649

DIFFERENCE = .0028 P = .2315

MODEL 2, ACH = CAT + CB R2 = .0581

DIFFERENCE = .0038 P = .1657

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0635

HI CB = 4.0421 LO CB = 2.7045

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9083
LO CAT, HI CB = -.9274
HI CAT, LO CB = .0336
HI CAT, HI CB = 1.0618

OTHER TECHNIQUES USED WHICH ARE NOT LISTED PREVIOUSLY

CB VARIABLE 67 ID = 00067
NUMBER OF VALID SCORES = 24

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .9168

DIFFERENCE = .0012 P = .6855

MODEL 2, ACH = CAT + CB R2 = .9157

DIFFERENCE = .0019 P = .5005

MODEL 3, ACH = CAT R2 = .9137

BETA FOR CB IN MODEL 2 = .0047

HI CB = 4.0801 LO CB = 1.9199

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0010
LO CAT, HI CB = -.8613
HI CAT, LO CB = .9366
HI CAT, HI CB = .9467

TEACHER AGREEMENT ABOUT THE FOLLOWING METHODS AND GOALS:
WORD GAMES OR STUDENT COMPETITION IN FRONT OF THE CLASS

CB VARIABLE 68 ID = 00068
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0543

DIFFERENCE = .0000 P = .9668

MODEL 2, ACH = CAT + CB R2 = .0543

DIFFERENCE = .0000 P = .9363

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0035

HI CB = 1.7895 LO CB = .3972

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9222
LO CAT, HI CB = -.9262
HI CAT, LO CB = .0298
HI CAT, HI CB = .9192

KNOWLEDGE OF FACTS SHOULD PRECEDE GENERALIZATIONS

CB VARIABLE 69 ID = 00069
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0556

DIFFERENCE = .0004 P = .6537

MODEL 2, ACH = CAT + CB R2 = .0552

DIFFERENCE = .0009 P = .5131

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0301

HI CB = 3.0123 LO CB = 1.7077

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9380
LO CAT, HI CB = -.9294
HI CAT, LO CB = .8591
HI CAT, HI CB = .9789

TEACHERS SHOULD BE FREE TO ADMIT IGNORANCE OPENLY

CB VARIABLE 70 ID = 00070
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0502

DIFFERENCE = .0041 P = .1741

MODEL 2, ACH = CAT + CB R2 = .0460

DIFFERENCE = .0003 P = .7138

MODEL 3, ACH = CAT R2 = .0457

BETA FOR CB IN MODEL 2 = -.0181

HI CB = 3.8799 LO CB = 2.0185

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8318
LO CAT, HI CB = -1.0380
HI CAT, LO CB = .8721
HI CAT, HI CB = .9657

TEACHERS SHOULD TEACH SUBJECTS INSTEAD OF ATTITUDES

CB VARIABLE 71 ID = 00071
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0557

DIFFERENCE = .0002 P = .7357

MODEL 2, ACH = CAT + CB R2 = .0555

DIFFERENCE = .0012 P = .4484

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0346

HI CB = 2.1827 LO CB = .3773

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9771
LO CAT, HI CB = -.8620
HI CAT, LO CB = .9011
HI CAT, HI CB = .9401

STUDENTS CAN LEARN MATHEMATICS AS WELL AS ANY OTHER SUBJECT

CB VARIABLE 72 ID = 00072
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0565

DIFFERENCE = .0026 P = .2624

MODEL 2, ACH = CAT + CB R2 = .0538

DIFFERENCE = .0025 P = .2808

MODEL 3, ACH = CAT R2 = .0513

BETA FOR CB IN MODEL 2 = .0498

HI CB = 3.0138 LO CB = 1.2328

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0127
LO CAT, HI CB = -.8236
HI CAT, LO CB = .9343
HI CAT, HI CB = .9152

SCHOOLING SHOULD PRIMARILY TRAIN STUDENTS TO HANDLE SOCIAL ADJUSTMENT

CB VARIABLE 73 ID = 00073
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0560

DIFFERENCE = .0001 P = .8477

MODEL 2, ACH = CAT + CB R2 = .0559

DIFFERENCE = .0016 P = .3755

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0410

HI CB = 2.8291 LO CB = .7975

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8616
LO CAT, HI CB = -.9621
HI CAT, LO CB = .9474
HI CAT, HI CB = .8833

TEACHING SHOULD BE ORIENTED TOWARD HELPING STUDENTS DO WELL ON NORMED TEST

CB VARIABLE 74 ID = 00074
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0623

DIFFERENCE = .0073 P = .0528

MODEL 2, ACH = CAT + CB R2 = .0550

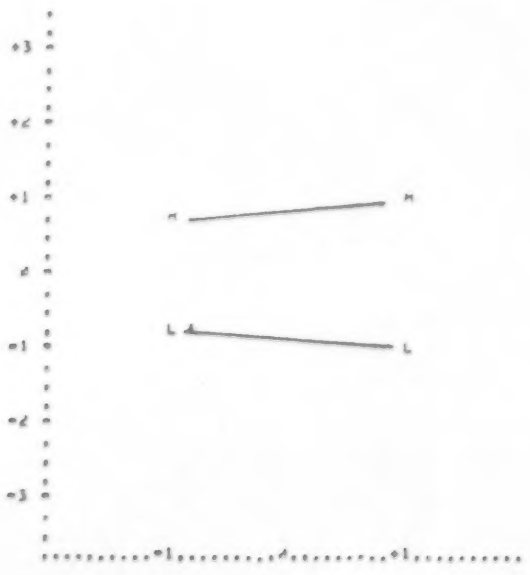
DIFFERENCE = .0007 P = .5767

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0274

HI CB = 2.2188 LO CB = .1212

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8457
LO CAT, HI CB = -.9506
HI CAT, LO CB = .8327
HI CAT, HI CB = 1.0737



WORTHWHILE LEARNING IS TIRING AND DIFFICULT

CB VARIABLE 75 ID = 00075
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8555

DIFFERENCE = .0001 P = .7955

MODEL 2, ACH = CAT + CB R2 = .8554

DIFFERENCE = .0011 P = .4686

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0333

HI CB = 2.4818 LO CB = .3198

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9839
LO CAT, HI CB = -.9089
HI CAT, LO CB = .9763
HI CAT, HI CB = .8813

WITHOUT PROPER TRAINING STUDENTS MENTAL ABILITIES REMAIN UNDEVELOPED

CB VARIABLE 76 ID = 00076
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8504

DIFFERENCE = .0007 P = .5717

MODEL 2, ACH = CAT + CB R2 = .8497

DIFFERENCE = .0013 P = .4428

MODEL 3, ACH = CAT R2 = .8484

BETA FOR CB IN MODEL 2 = .0363

HI CB = 3.7128 LO CB = 1.7126

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9329
LO CAT, HI CB = -.9138
HI CAT, LO CB = .8658
HI CAT, HI CB = .9856

SOME STUDENTS ASK TOO MANY QUESTIONS

CB VARIABLE 77 ID = 00077
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8548

DIFFERENCE = .0003 P = .7112

MODEL 2, ACH = CAT + CB R2 = .8545

DIFFERENCE = .0002 P = .7428

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0148

HI CB = 2.7435 LO CB = .5898

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9521
LO CAT, HI CB = -.8872
HI CAT, LO CB = .9235
HI CAT, HI CB = .9282

T, SHOULD HAVE DISC, GROUPS SINCE STUDENTS LEARN FROM PEER INTERACTION

CB VARIABLE 78 ID = 00078
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8615

DIFFERENCE = .0000 P = .9647

MODEL 2, ACH = CAT + CB R2 = .8615

DIFFERENCE = .0072 P = .0545

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0859

HI CB = 3.5073 LO CB = 2.1468

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = .8292
LO CAT, HI CB = -1.0020
HI CAT, LO CB = .9991
HI CAT, HI CB = .8326

IT IS NATURAL FOR STUDENTS TO RESIST TEACHERS

CB VARIABLE 79 ID = 00079
NUMBER OF VALID SCORES = 72

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8706

DIFFERENCE = .0056 P = .0943

MODEL 2, ACH = CAT + CB R2 = .8652

DIFFERENCE = .0003 P = .6784

MODEL 3, ACH = CAT R2 = .8649

BETA FOR CB IN MODEL 2 = -.0189

HI CB = 2.9327 LO CB = .7862

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7715
LO CAT, HI CB = -1.3888
HI CAT, LO CB = .8596
HI CAT, HI CB = .9788

TEACHERS SHOULD TALK TO STUDENTS AS THEY WOULD TO ADULTS

CB VARIABLE 80 ID = 00080
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8640

DIFFERENCE = .0005 P = .0158

MODEL 2, ACH = CAT + CB R2 = .8635

DIFFERENCE = .0092 P = .0201

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0962

HI CB = 2.9387 LO CB = .7146

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8675
LO CAT, HI CB = -1.9965
HI CAT, LO CB = 1.0514
HI CAT, HI CB = .0217

STUDENTS SHOULD EXPECT SCHOOLING TO BE INTERESTING

CB VARIABLE 81 ID = 00081
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8555

DIFFERENCE = .0002 P = .7466

MODEL 2, ACH = CAT + CB R2 = .8552

DIFFERENCE = .0028 P = .2511

MODEL 3, ACH = CAT R2 = .8525

BETA FOR CB IN MODEL 2 = .0526

HI CB = 3.1265 LO CB = 1.2845

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9966
LO CAT, HI CB = -.8593
HI CAT, LO CB = .8879
HI CAT, HI CB = .9635

UNLESS EXPLANATIONS ARE SHORT, STUDENTS LOSE INTEREST

CB VARIABLE 82 ID = 00082
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8556

DIFFERENCE = .0000 P = .9657

MODEL 2, ACH = CAT + CB R2 = .8556

DIFFERENCE = .0013 P = .4254

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0304

HI CB = 3.3896 LO CB = 1.6504

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9682
LO CAT, HI CB = -.8916
HI CAT, LO CB = .8885
HI CAT, HI CB = .9637

LETTING FASTER STUDENTS HELP SLOWER ONES IS A GOOD STRATEGY

CB VARIABLE 83 ID = 00083
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0513

DIFFERENCE = .0000 P = .8825

MODEL 2, ACH = CAT + CB R2 = .0512

DIFFERENCE = .0028 P = .2500

MODEL 3, ACH = CAT R2 = .0484

BETA FOR CB IN MODEL 2 = -.0533

HI CB = 3.6208 LO CB = 1.2915

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8700
LO CAT, HI CB = -.9648
HI CAT, LO CB = .9799
HI CAT, HI CB = .8586

THIS, NEED NOT SPEND TIME WITH BRIGHT STUDENTS SINCE THEY CAN LEARN ALONE

CB VARIABLE 85 ID = 00085
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0548

DIFFERENCE = .0001 P = .8665

MODEL 2, ACH = CAT + CB R2 = .0547

DIFFERENCE = .0004 P = .6662

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0197

HI CB = 1.0623 LO CB = .3244

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8951
LO CAT, HI CB = -.9695
HI CAT, LO CB = .9362
HI CAT, HI CB = .9492

STUDENTS SHOULD HAVE A GREAT DEAL OF PRACTICE AT THE BLACKBOARD IN MATH

CB VARIABLE 84 ID = 00084
NUMBER OF VALID SCORES = 65

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0643

DIFFERENCE = .0051 P = .1312

MODEL 2, ACH = CAT + CB R2 = .0592

DIFFERENCE = .0015 P = .4180

MODEL 3, ACH = CAT R2 = .0577

BETA FOR CB IN MODEL 2 = .0442

HI CB = 2.7635 LO CB = 1.6857

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8662
LO CAT, HI CB = -.9194
HI CAT, LO CB = .8143
HI CAT, HI CB = 1.0564

THE MORE DIFFICULT THE TASK THE BETTER FUN THE STUDENT

CB VARIABLE 86 ID = 00086
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0555

DIFFERENCE = .0008 P = .5463

MODEL 2, ACH = CAT + CB R2 = .0547

DIFFERENCE = .0012 P = .4695

MODEL 3, ACH = CAT R2 = .0535

BETA FOR CB IN MODEL 2 = .0343

HI CB = 1.7671 LO CB = .2877

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9064
LO CAT, HI CB = -.9414
HI CAT, LO CB = .8719
HI CAT, HI CB = .9736

HAVING A WIDE VARIETY OF WORK FOR DIFFERING ABILITY LEVELS IS NOT WORKABLE

CB VARIABLE 87 ID # 00087
NUMBER OF VALID SCORES = 74

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0599

DIFFERENCE = .0052 P = .1871

MODEL 2, ACH = CAT + CB R2 = .0547

DIFFERENCE = .0007 P = .5575

MODEL 3, ACH = CAT R2 = .0539

BETA FOR CB IN MODEL 2 = .0274

HI CB = 1.0166 LO CB = .1564

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0294
LO CAT, HI CB = -.0499
HI CAT, LO CB = .9882
HI CAT, HI CB = .0020

ONE SHOULD EXPECT STUDENTS TO FORGET MUCH THAT IS TOLD THEM

CB VARIABLE 89 ID # 00089
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0671

DIFFERENCE = .0108 P = .0197

MODEL 2, ACH = CAT + CB R2 = .0563

DIFFERENCE = .0001 P = .0047

MODEL 3, ACH = CAT R2 = .0562

BETA FOR CB IN MODEL 2 = -.0112

HI CB = 2.9913 LO CB = .9617

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7298
LO CAT, HI CB = -.9926
HI CAT, LO CB = .0082
HI CAT, HI CB = .9991

TEACHERS SHOULD DISCOURAGE STUDENTS FROM MOVING AROUND THE ROOM FREELY

CB VARIABLE 88 ID # 00088
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0589

DIFFERENCE = .0016 P = .3788

MODEL 2, ACH = CAT + CB R2 = .0573

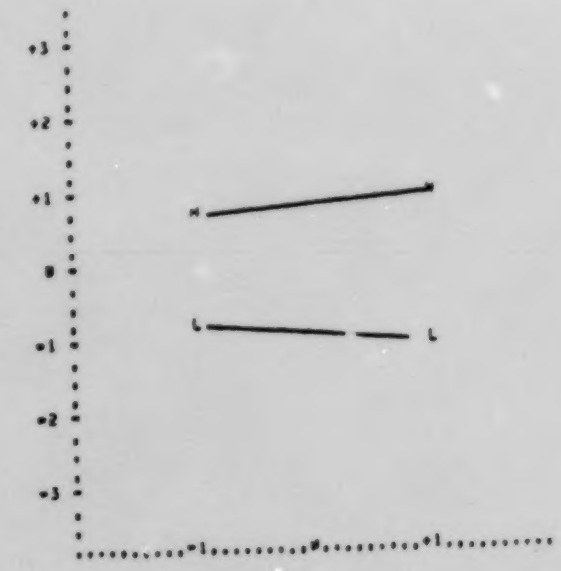
DIFFERENCE = .0000 P = .9612

MODEL 3, ACH = CAT R2 = .0573

BETA FOR CB IN MODEL 2 = -.0021

HI CB = 2.0052 LO CB = .0334

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.0624
LO CAT, HI CB = -.9698
HI CAT, LO CB = .0757
HI CAT, HI CB = .9578



PRACTICE MAKES PERFECT BUMS UP LEARNING

```
CB VARIABLE 90       ID = 00090
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0622

   DIFFERENCE =   .0016   P =   .3825

MODEL 2, ACH = CAT + CB             R2 =   .0607

   DIFFERENCE =   .0002   P =   .7528

MODEL 3, ACH = CAT                  R2 =   .0604

BETA FOR CB IN MODEL 2 =  -.0155

HI CB =    3.1328   LO CB =     .9502

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.0620
   LO CAT, HI CB =    -.9648
   HI CAT, LO CB =     .9809
   HI CAT, HI CB =     .9549
```

TOO MUCH RELIANCE ON THE TEXT MAKES EFFECTIVE TEACHING HARDER

```
CB VARIABLE 91       ID = 00091
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0566

   DIFFERENCE =   .0009   P =   .5022

MODEL 2, ACH = CAT + CB             R2 =   .0557

   DIFFERENCE =   .0014   P =   .4156

MODEL 3, ACH = CAT                  R2 =   .0543

BETA FOR CB IN MODEL 2 =   .0381

HI CB =    3.0835   LO CB =    1.0765

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -1.0097
   LO CAT, HI CB =    -.8508
   HI CAT, LO CB =     .9187
   HI CAT, HI CB =     .9115
```


TEACHERS MAKE IT A POINT TO BE WRONG OCCASIONALLY, THEN ACKNOWLEDGE IT

```
CB VARIABLE 92       ID = 00092
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0575

   DIFFERENCE =   .0021   P =   .3898

MODEL 2, ACH = CAT + CB             R2 =   .0554

   DIFFERENCE =   .0011   P =   .4678

MODEL 3, ACH = CAT                  R2 =   .0543

BETA FOR CB IN MODEL 2 =  -.0333

HI CB =    2.4498   LO CB =     .4302

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9533
   LO CAT, HI CB =    -.8862
   HI CAT, LO CB =     .9959
   HI CAT, HI CB =     .8564
```

TEACHING SHOULD BE EVALUATED IN ITS OWN RIGHT REGARDLESS OF WHAT IS LEARNED

```
CB VARIABLE 93       ID = 00093
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0565

   DIFFERENCE =   .0026   P =   .5900

MODEL 2, ACH = CAT + CB             R2 =   .0539

   DIFFERENCE =   .0004   P =   .6836

MODEL 3, ACH = CAT                  R2 =   .0535

BETA FOR CB IN MODEL 2 =  -.0198

HI CB =    2.6135   LO CB =     .5188

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9267
   LO CAT, HI CB =    -.9261
   HI CAT, LO CB =     .9674
   HI CAT, HI CB =     .8767
```

A GOOD TEACHER SHOULD BE DETERMINED

CB VARIABLE 94 ID = 00094
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0611

DIFFERENCE = .0067 P = .0656

MODEL 2, ACH = CAT + CB R2 = .0544

DIFFERENCE = .0001 P = .0299

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0098

HI CB = 3.0136 LO CB = 2.5331

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7585
LO CAT, HI CB = +1.0090
HI CAT, LO CB = .0091
HI CAT, HI CB = .9619

TEACHER IMPACT IS MORE IMPORTANT THAN ANY OTHER PHASE OF SCH. ENVIRONMENT

CB VARIABLE 95 ID = 00095
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0561

DIFFERENCE = .0008 P = .5013

MODEL 2, ACH = CAT + CB R2 = .0553

DIFFERENCE = .0018 P = .3621

MODEL 3, ACH = CAT R2 = .0535

BETA FOR CB IN MODEL 2 = .0026

HI CB = 3.0848 LO CB = 1.5206

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9920
LO CAT, HI CB = -.8644
HI CAT, LO CB = .9005
HI CAT, HI CB = .9613

TEACHER PERSONALITY IS THE MOST IMPORTANT QUALIFICATION

CB VARIABLE 96 ID = 00096
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0614

DIFFERENCE = .0053 P = .1839

MODEL 2, ACH = CAT + CB R2 = .0562

DIFFERENCE = .0009 P = .5175

MODEL 3, ACH = CAT R2 = .0573

BETA FOR CB IN MODEL 2 = .0299

HI CB = 3.3108 LO CB = 1.5627

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = +1.0684
LO CAT, HI CB = -.7008
HI CAT, LO CB = .9751
HI CAT, HI CB = .8912

TEACHERS SHOULD USE SOME OF THE STUDENTS SLANG

CB VARIABLE 97 ID = 00097
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0547

DIFFERENCE = .0003 P = .7843

MODEL 2, ACH = CAT + CB R2 = .0544

DIFFERENCE = .0001 P = .0473

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0084

HI CB = 2.9385 LO CB = .9548

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9825
LO CAT, HI CB = -.9512
HI CAT, LO CB = .9172
HI CAT, HI CB = .9367

TEACHERS SHOULD REWARD (AND PENALIZE LACK OF) EFFORT DESPITE ACHIEVEMENT

CB VARIABLE 98 ID = 86098
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0637

DIFFERENCE = .0033 P = .1981

MODEL 2, ACH = CAT + CB R2 = .0600

DIFFERENCE = .0000 P = .9720

MODEL 3, ACH = CAT R2 = .0600

BETA FOR CB IN MODEL 2 = .0015

HI CB = 2.9183 LO CB = .8620

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8777
LO CAT, HI CB = -1.0126
HI CAT, LO CB = .8847
HI CAT, HI CB = .9852

DESPITE RISK OF BORING SOME, TEACHERS SHOULD EXPLAIN THOROUGHLY.

CB VARIABLE100 ID = 86100
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0550

DIFFERENCE = .0005 P = .6168

MODEL 2, ACH = CAT + CB R2 = .0545

DIFFERENCE = .0002 P = .7022

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0123

HI CB = 3.5808 LO CB = 1.9125

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8965
LO CAT, HI CB = -.9565
HI CAT, LO CB = .9093
HI CAT, HI CB = .9387

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KEEPING STANDARDS HIGH AND APPLYING PRESSURE IS BEST WAY FOR ST, TO LEARN

CB VARIABLE 99 ID = 86099
NUMBER OF VALID SCORES = 71

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0614

DIFFERENCE = .0042 P = .1572

MODEL 2, ACH = CAT + CB R2 = .0572

DIFFERENCE = .0004 P = .6767

MODEL 3, ACH = CAT R2 = .0568

BETA FOR CB IN MODEL 2 = .0194

HI CB = 2.4935 LO CB = .7741

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0154
LO CAT, HI CB = -.8491
HI CAT, LO CB = .9771
HI CAT, HI CB = .8874

LECTURE ON RATIONAL INSIGHT OF NUMBERS WILL NOT REDUCE NEEDED MATH DRILL

```
CB VARIABLE  1       ID = 06101
NUMBER OF VALID SCORES =    61

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0788

   DIFFERENCE =   .0030   P =   .2489

MODEL 2, ACH = CAT + CB             R2 =   .0758

   DIFFERENCE =   .0001   P =   .7957

MODEL 3, ACH = CAT                  R2 =   .0748

BETA FOR CB IN MODEL 2 =  -.0110

HI CB =    2.9888   LO CB =    1.7325

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -.8528
   LO CAT, HI CB =  -1.0179
   HI CAT, LO CB =    .9895
   HI CAT, HI CB =    .9669
```

CITING ACCOMPLISHMENTS OF OTHERS DOES NOT STIMULATE ACHIEVEMENT

```
CB VARIABLE  2       ID = 06102
NUMBER OF VALID SCORES =    73

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0581

   DIFFERENCE =   .0030   P =   .2278

MODEL 2, ACH = CAT + CB             R2 =   .0551

   DIFFERENCE =   .0037   P =   .1641

MODEL 3, ACH = CAT                  R2 =   .0514

BETA FOR CB IN MODEL 2 =   .0620

HI CB =    2.3450   LO CB =    .5803

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =  -1.0266
   LO CAT, HI CB =   -.7161
   HI CAT, LO CB =    .8948
   HI CAT, HI CB =    .9184
```


GIVING FAILING GRADES DOES LITTLE TO PROMOTE ACHIEVEMENT

```
CB VARIABLE  3       ID = 06103
NUMBER OF VALID SCORES =    71

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0638

   DIFFERENCE =   .0031   P =   .2177

MODEL 2, ACH = CAT + CB             R2 =   .0607

   DIFFERENCE =   .0007   P =   .5542

MODEL 3, ACH = CAT                  R2 =   .0599

BETA FOR CB IN MODEL 2 =  -.0279

HI CB =    2.0472   LO CB =    .0434

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -.9488
   LO CAT, HI CB =   -.8819
   HI CAT, LO CB =   1.0195
   HI CAT, HI CB =    .8522
```

IT IS BETTER TO ERR BY UNDEREXPLAINING THAN BY OVEREXPLAINING

```
CB VARIABLE  4       ID = 06104
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0619

   DIFFERENCE =   .0015   P =   .3894

MODEL 2, ACH = CAT + CB             R2 =   .0604

   DIFFERENCE =   .0061   P =   .0759

MODEL 3, ACH = CAT                  R2 =   .0543

BETA FOR CB IN MODEL 2 =   .0788

HI CB =    2.2475   LO CB =    .5792

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =  -1.0269
   LO CAT, HI CB =   -.7949
   HI CAT, LO CB =    .8781
   HI CAT, HI CB =    .9681
```

HIGH GRADES REINFORCE EFFORT, MAKING STUDENTS WORK HARDER

CB VARIABLE 5 ID = 06185
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8568

DIFFERENCE = .0024 P = .2887

MODEL 2, ACH = CAT + CB R2 = .8544

DIFFERENCE = .0001 P = .8503

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0082

HI CB = 3,1247 LO CB = 1.8219

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8674
LO CAT, HI CB = -.9523
HI CAT, LO CB = .8174
HI CAT, HI CB = .9755

STRICTER RULES WOULD HELP ELIMINATE DISCIPLINE PROBLEMS

CB VARIABLE 6 ID = 06186
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8658

DIFFERENCE = .0001 P = .8048

MODEL 2, ACH = CAT + CB R2 = .8657

DIFFERENCE = .0068 P = .0667

MODEL 3, ACH = CAT R2 = .0589

BETA FOR CB IN MODEL 2 = .0825

HI CB = 2,9543 LO CB = 1.1279

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1,0282
LO CAT, HI CB = -.8282
HI CAT, LO CB = .8511
HI CAT, HI CB = .9991

IQ TESTS MERELY LABEL STUDENTS AND SHOULD NOT BE USED

CB VARIABLE 7 ID = 06187
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8544

DIFFERENCE = .0001 P = .8655

MODEL 2, ACH = CAT + CB R2 = .8543

DIFFERENCE = .0000 P = .9158

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0046

HI CB = 2,6861 LO CB = .7539

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9261
LO CAT, HI CB = -.9262
HI CAT, LO CB = .9143
HI CAT, HI CB = .9899

TEACHER LEVEL OF EDUCATION (POST GRADUATE WORK)

CB VARIABLE 8 ID = 06188
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8641

DIFFERENCE = .0020 P = .3142

MODEL 2, ACH = CAT + CB R2 = .8581

DIFFERENCE = .0038 P = .1682

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0621

HI CB = 3,2649 LO CB = .7351

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1,0511
LO CAT, HI CB = -.8263
HI CAT, LO CB = .9006
HI CAT, HI CB = .9891

GRADUATE DEGREE FROM MAJOR UNIVERSITY OR COLLEGE

CB VARIABLE 9 ID = 00109
NUMBER OF VALID SCORES = 11

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7974

DIFFERENCE = .1396 P = .0025

MODEL 2, ACH = CAT + CB R2 = .6579

DIFFERENCE = .0862 P = .1917

MODEL 3, ACH = CAT R2 = .5718

BETA FOR CB IN MODEL 2 = .5243

HI CB = 1.1174 LO CB = .1553

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.6510
LO CAT, HI CB = 1.0190
HI CAT, LO CB = 1.4994
HI CAT, HI CB = .4155

TOTAL YEARS TEACHING EXPERIENCE

CB VARIABLE 10 ID = 00110
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8753

DIFFERENCE = .0096 P = .0209

MODEL 2, ACH = CAT + CB R2 = .8657

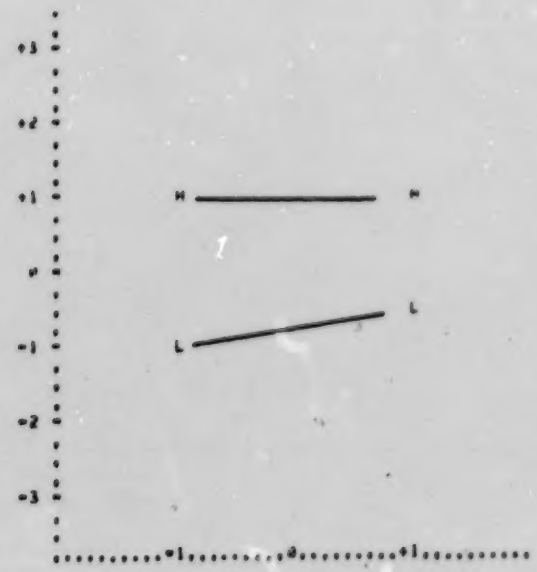
DIFFERENCE = .0114 P = .0151

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .1107

HI CB = 2.0748 LO CB = -.2615

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.1215
LO CAT, HI CB = -.5170
HI CAT, LO CB = .8798
HI CAT, HI CB = .9238



TOTAL YEARS TEACHING EXPERIENCE AT JUNIOR HIGH SCHOOL

CB VARIABLE 11 ID # 00111
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0769

DIFFERENCE = .0155 P = .0041

MODEL 2, ACH = CAT + CB R2 = .0614

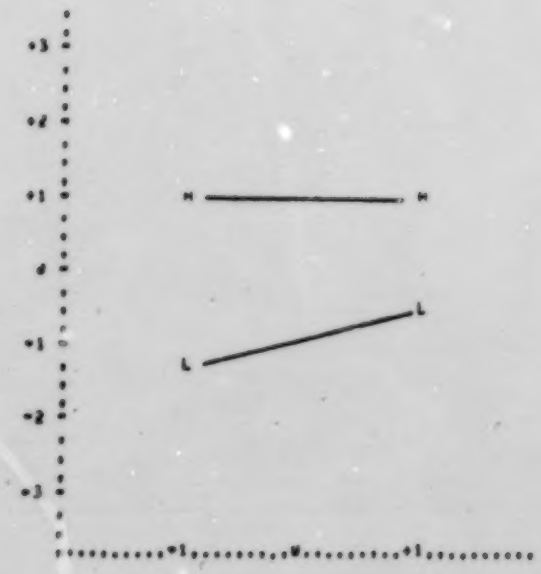
DIFFERENCE = .0070 P = .0566

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0864

HI CB = 1.7416 LO CB = -.0283

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.1438
LO CAT, HI CB = -.5086
HI CAT, LO CB = .7486
HI CAT, HI CB = .8799



TOTAL YEARS TEACHING PRESENT SUBJECT MATTER

CB VARIABLE 12 ID # 00112
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0614

DIFFERENCE = .0030 P = .1864

MODEL 2, ACH = CAT + CB R2 = .0584

DIFFERENCE = .0037 P = .1748

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0812

HI CB = 1.0336 LO CB = -.0871

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0618
LO CAT, HI CB = -.7251
HI CAT, LO CB = .9828
HI CAT, HI CB = .9288

MEMBERSHIP IN TEXAS STATE TEACHERS ASSOCIATION (TSTA)

CB VARIABLE 13 ID # 00113
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0592

DIFFERENCE = .0036 P = .1763

MODEL 2, ACH = CAT + CB R2 = .0555

DIFFERENCE = .0012 P = .0471

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0353

HI CB = 1.2030 LO CB = .0237

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9889
LO CAT, HI CB = -.8291
HI CAT, LO CB = .9799
HI CAT, HI CB = .8887

MEMBERSHIP IN NEA

CB VARIABLE 14 ID = 06114
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8618

DIFFERENCE = .0067 P = .0661

MODEL 2, ACH = CAT + CB R2 = .8543

DIFFERENCE = .0008 P = .9339

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0036

HI CB = 1.1629 LO CB = .2514

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0123
LO CAT, HI CB = -.8531
HI CAT, LO CB = 1.0044
HI CAT, HI CB = .8458

MEMBERSHIP IN AMERICAN FEDERATION OF TEACHERS (AFT)

CB VARIABLE 15 ID = 06115
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8573

DIFFERENCE = .0028 P = .2383

MODEL 2, ACH = CAT + CB R2 = .8544

DIFFERENCE = .0001 P = .7844

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0126

HI CB = .4458 LO CB = -.2858

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0083
LO CAT, HI CB = -.7857
HI CAT, LO CB = .9824
HI CAT, HI CB = .8574

MEMBERSHIP IN OTHER ORGANIZATIONS NOT LISTED

CB VARIABLE 16 ID = 06116
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8583

DIFFERENCE = .0048 P = .1568

MODEL 2, ACH = CAT + CB R2 = .8543

DIFFERENCE = .0000 P = .9924

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0002

HI CB = .9796 LO CB = -.9196

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9880
LO CAT, HI CB = -.8619
HI CAT, LO CB = .9865
HI CAT, HI CB = .8599

TABLE 4

PREDICTION OF STUDENT ENGLISH ACHIEVEMENT

FROM TEACHER INTERVIEW AND CALIFORNIA ACHIEVEMENT TEST

USING MULTIPLE REGRESSION ANALYSES

SEVERAL ABILITY LEVELS IN ONE CLASSROOM PRESENTS A PROBLEM

```
CB VARIABLE  1       ID = 07001
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8586

   DIFFERENCE =   .0043   P =   .1427

MODEL 2, ACH = CAT + CB             R2 =   .8543

   DIFFERENCE =   .0000   P =   .9848

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =   .0087

HI CB =    2.2052   LO CB =    1.4481

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9977
   LO CAT, HI CB =    -.8569
   HI CAT, LO CB =     .9813
   HI CAT, HI CB =     .8614
```

BY INDIVIDUALIZED WORK, SELF-PACED;LEARNING CENTERS;IGE;CONTRACT WORK

```
CB VARIABLE  3       ID = 07003
NUMBER OF VALID SCORES =    72

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8602

   DIFFERENCE =   .0032   P =   .2135

MODEL 2, ACH = CAT + CB             R2 =   .8570

   DIFFERENCE =   .0069   P =   .0690

MODEL 3, ACH = CAT                  R2 =   .8501

BETA FOR CB IN MODEL 2 =  -.8868

HI CB =    1.8591   LO CB =    .8909

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.7314
   LO CAT, HI CB =   -1.0085
   HI CAT, LO CB =     .9273
   HI CAT, HI CB =     .8801
```


COPE WITH ABILITY LEVELS:
BY ABILITY GROUPING

```
CB VARIABLE  2       ID = 07002
NUMBER OF VALID SCORES =    72

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8528

   DIFFERENCE =   .0001   P =   .8567

MODEL 2, ACH = CAT + CB             R2 =   .8527

   DIFFERENCE =   .0026   P =   .2758

MODEL 3, ACH = CAT                  R2 =   .8501

BETA FOR CB IN MODEL 2 =  -.4522

HI CB =    1.8932   LO CB =    .9123

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8689
   LO CAT, HI CB =    -.9571
   HI CAT, LO CB =     .9702
   HI CAT, HI CB =     .8475
```

BY VARYING MATERIALS, ASSIGNMENTS, AND SUPPLEMENTING

```
CB VARIABLE  4       ID = 07004
NUMBER OF VALID SCORES =    72

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8507

   DIFFERENCE =   .0044   P =   .0827

MODEL 2, ACH = CAT + CB             R2 =   .8503

   DIFFERENCE =   .0002   P =   .7728

MODEL 3, ACH = CAT                  R2 =   .8501

BETA FOR CB IN MODEL 2 =   .0139

HI CB =    2.0763   LO CB =    1.0903

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8868
   LO CAT, HI CB =    -.9738
   HI CAT, LO CB =     .8587
   HI CAT, HI CB =    1.0274
```

BY MORE SPECIAL ATTENTION; CONFERENCES; WORK AFTER SCHOOL

CB VARIABLE 5 ID = 07005
NUMBER OF VALID SCORES = 72

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0533

DIFFERENCE = .0020 P = .3456

MODEL 2, ACH = CAT + CB R2 = .0514

DIFFERENCE = .0012 P = .4588

MODEL 3, ACH = CAT R2 = .0501

BETA FOR CB IN MODEL 2 = .0351

HI CB = 1.0380 LO CB = .0065

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0002
LO CAT, HI CB = -.8356
HI CAT, LO CB = .9388
HI CAT, HI CB = .9062

BY DIFFERENTIAL TESTING, GRADING; EXPECT LESS FROM SLOWS; EXTRA CREDIT WRK

CB VARIABLE 7 ID = 07007
NUMBER OF VALID SCORES = 72

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0572

DIFFERENCE = .0008 P = .5586

MODEL 2, ACH = CAT + CB R2 = .0564

DIFFERENCE = .0063 P = .0828

MODEL 3, ACH = CAT R2 = .0501

BETA FOR CB IN MODEL 2 = .0793

HI CB = 1.7046 LO CB = .0231

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9729
LO CAT, HI CB = -.8697
HI CAT, LO CB = .8184
HI CAT, HI CB = 1.0264

BY PEER TUTORING; ALLOW STUDENTS TO WORK TOGETHER

CB VARIABLE 6 ID = 07006
NUMBER OF VALID SCORES = 72

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0509

DIFFERENCE = .0007 P = .5849

MODEL 2, ACH = CAT + CB R2 = .0502

DIFFERENCE = .0001 P = .8315

MODEL 3, ACH = CAT R2 = .0501

BETA FOR CB IN MODEL 2 = .0097

HI CB = 1.2846 LO CB = .0265

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0397
LO CAT, HI CB = -.7598
HI CAT, LO CB = 1.2235
HI CAT, HI CB = .4258

BY WHOLE CLASS APPROACH; TEACH TO HIGH, MIDDLE; NEGLECT SOME; IGNORE PROB.

CB VARIABLE 8 ID = 07008
NUMBER OF VALID SCORES = 72

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0536

DIFFERENCE = .0017 P = .3862

MODEL 2, ACH = CAT + CB R2 = .0520

DIFFERENCE = .0018 P = .3594

MODEL 3, ACH = CAT R2 = .0501

BETA FOR CB IN MODEL 2 = .0650

HI CB = 1.7046 LO CB = .0231

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9965
LO CAT, HI CB = -.7748
HI CAT, LO CB = .8990
HI CAT, HI CB = .9345

OTHER: RESOURCE TEACHER, STUDENT TEACHER, TEACHER AIDE

CB VARIABLE 9 ID = 07009
NUMBER OF VALID SCORES = 72

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8585

DIFFERENCE = .0003 P = .6987

MODEL 2, ACH = CAT + CB R2 = .8582

DIFFERENCE = .0001 P = .8636

MODEL 3, ACH = CAT R2 = .8581

BETA FOR CB IN MODEL 2 = .0077

HI CB = 1.6256 LO CB = .7968

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9145
LO CAT, HI CB = -.9271
HI CAT, LO CB = .8943
HI CAT, HI CB = .9536

BELIEVES METHODS FOR COPING WITH ABILITY LEVELS WERE SUCCESSFUL

CB VARIABLE 11 ID = 07011
NUMBER OF VALID SCORES = 72

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8586

DIFFERENCE = .0002 P = .1643

MODEL 2, ACH = CAT + CB R2 = .8584

DIFFERENCE = .0003 P = .7148

MODEL 3, ACH = CAT R2 = .8581

BETA FOR CB IN MODEL 2 = -.0180

HI CB = 4.0707 LO CB = 2.3182

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7840
LO CAT, HI CB = -.9937
HI CAT, LO CB = .8992
HI CAT, HI CB = .9565

TEACHER COPES W/ABILITY LEVELS IN CLASS RATHER THAN AVOIDING PROB.

CB VARIABLE 10 ID = 07010
NUMBER OF VALID SCORES = 72

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8584

DIFFERENCE = .0070 P = .0675

MODEL 2, ACH = CAT + CB R2 = .8514

DIFFERENCE = .0013 P = .4529

MODEL 3, ACH = CAT R2 = .8501

BETA FOR CB IN MODEL 2 = -.0391

HI CB = 3.2359 LO CB = 2.2363

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.6716
LO CAT, HI CB = -1.0369
HI CAT, LO CB = .9319
HI CAT, HI CB = .9271

ABILITY, BASED ON DIAGNOSTIC TESTS, CAT

CB VARIABLE 12 ID = 07012
NUMBER OF VALID SCORES = 53

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8807

DIFFERENCE = .0009 P = .0866

MODEL 2, ACH = CAT + CB R2 = .8798

DIFFERENCE = .0004 P = .6956

MODEL 3, ACH = CAT R2 = .8794

BETA FOR CB IN MODEL 2 = -.0246

HI CB = 1.9586 LO CB = .9551

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7917
LO CAT, HI CB = -1.0014
HI CAT, LO CB = .8612
HI CAT, HI CB = 1.0193

ABILITY, BASED ON OBSERVATION, ASSESSMENT OF WORK; TALK WITH STUDENT

CB VARIABLE 13 ID = 07013
NUMBER OF VALID SCORES = 53

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8898

DIFFERENCE = .0001 P = .8689

MODEL 2, ACH = CAT + CB R2 = .8818

DIFFERENCE = .0020 P = .3244

MODEL 3, ACH = CAT R2 = .8798

BETA FOR CB IN MODEL 2 = -.0512

HI CB = 1.9588 LO CB = .9551

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7384
LO CAT, HI CB = -1.0284
HI CAT, LO CB = .8923
HI CAT, HI CB = .9898

RANDOM OR OTHER ASSIGNMENT

CB VARIABLE 15 ID = 07015
NUMBER OF VALID SCORES = 53

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8876

DIFFERENCE = .0046 P = .1698

MODEL 2, ACH = CAT + CB R2 = .8838

DIFFERENCE = .0036 P = .2212

MODEL 3, ACH = CAT R2 = .8798

BETA FOR CB IN MODEL 2 = -.0638

HI CB = 1.0755 LO CB = .8158

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9758
LO CAT, HI CB = -.8558
HI CAT, LO CB = 1.0819
HI CAT, HI CB = .8682

ABILITY (NO OTHER RESPONSE GIVEN)

CB VARIABLE 14 ID = 07014
NUMBER OF VALID SCORES = 53

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8873

DIFFERENCE = .0003 P = .9684

MODEL 2, ACH = CAT + CB R2 = .8872

DIFFERENCE = .0078 P = .0851

MODEL 3, ACH = CAT R2 = .8794

BETA FOR CB IN MODEL 2 = .0885

HI CB = 1.7618 LO CB = .8428

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0289
LO CAT, HI CB = -.8588
HI CAT, LO CB = .8518
HI CAT, HI CB = 1.0322

TARGETS ATTENTION TO SPECIAL GRPS (RATHER THAN EQUALIZING ATTENTION TO ALL)

CB VARIABLE 16 ID = 07016
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8858

DIFFERENCE = .0003 P = .7153

MODEL 2, ACH = CAT + CB R2 = .8848

DIFFERENCE = .0059 P = .0818

MODEL 3, ACH = CAT R2 = .8589

BETA FOR CB IN MODEL 2 = -.0781

HI CB = 2.1575 LO CB = 1.2398

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8681
LO CAT, HI CB = -1.0852
HI CAT, LO CB = .9772
HI CAT, HI CB = .8493

MORE ATTENTION GIVEN TO HIGH ABILITY GROUPS, AS OPPOSED TO LOW

```
CB VARIABLE 17      ID = 07017
NUMBER OF VALID SCORES =    38

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0405

   DIFFERENCE =   .0301   P =   .0758

MODEL 2, ACH = CAT + CB             R2 =   .0404

   DIFFERENCE =   .0009   P =   .6582

MODEL 3, ACH = CAT                  R2 =   .0395

BETA FOR CB IN MODEL 2 =  -.0306

HI CB =    2.1518   LO CB =     .7956

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8976
   LO CAT, HI CB =    -.9638
   HI CAT, LO CB =     .9628
   HI CAT, HI CB =     .8822
```

TEACHER INDIVIDUALIZES ON REGULAR BASIS

```
CB VARIABLE 18      ID = 07018
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0562

   DIFFERENCE =   .0019   P =   .3425

MODEL 2, ACH = CAT + CB             R2 =   .0543

   DIFFERENCE =   .0000   P =   .9811

MODEL 3, ACH = CAT                  R2 =   .0543

BETA FOR CB IN MODEL 2 =  -.0418

HI CB =    3.1328   LO CB =    1.3488

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8513
   LO CAT, HI CB =    -.9658
   HI CAT, LO CB =     .8941
   HI CAT, HI CB =     .9656
```


TEACHER INDIVIDUALIZES BY:
BELP-PACED WORK, CONTRACTS, LEARNING STATIONS

```
CB VARIABLE 19      ID = 07019
NUMBER OF VALID SCORES =    54

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0621

   DIFFERENCE =   .0039   P =   .2384

MODEL 2, ACH = CAT + CB             R2 =   .0585

   DIFFERENCE =   .0032   P =   .2841

MODEL 3, ACH = CAT                  R2 =   .0552

BETA FOR CB IN MODEL 2 =  -.0609

HI CB =    2.0986   LO CB =    1.1236

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.7287
   LO CAT, HI CB =   -1.0150
   HI CAT, LO CB =     .9261
   HI CAT, HI CB =     .9144
```

DIFFERING EXPECTANCIES, TESTS, GRADING;LESS WORK TO SLOW;SPEC. ASSIGNMENTS

```
CB VARIABLE 24      ID = 07024
NUMBER OF VALID SCORES =    54

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0563

   DIFFERENCE =   .0009   P =   .5910

MODEL 2, ACH = CAT + CB             R2 =   .0554

   DIFFERENCE =   .0002   P =   .7815

MODEL 3, ACH = CAT                  R2 =   .0552

BETA FOR CB IN MODEL 2 =   .0150

HI CB =    1.9616   LO CB =     .9643

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9565
   LO CAT, HI CB =    -.8584
   HI CAT, LO CB =     .9362
   HI CAT, HI CB =     .9085
```

ABILITY GROUPS GIVEN DIFFERENT ASSIGNMENTS

```
CB VARIABLE 21       ID # 07021
NUMBER OF VALID SCORES =    56

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0593

   DIFFERENCE =   .0008   P =   .8119

MODEL 2, ACH = CAT + CB             R2 =   .0585

   DIFFERENCE =   .0033   P =   .2797

MODEL 3, ACH = CAT                  R2 =   .0552

BETA FOR CB IN MODEL 2 =  -.0032

HI CB =    1.5034   LO CB =     .7029

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8148
   LO CAT, HI CB =    -.9536
   HI CAT, LO CB =     .9215
   HI CAT, HI CB =     .8921
```

OTHERS EXTRA HELP; CONFERENCES; USE RESOURCE TEACHER, AIDE

```
CB VARIABLE 22       ID # 07022
NUMBER OF VALID SCORES =    56

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0683

   DIFFERENCE =   .0031   P =   .3841

MODEL 2, ACH = CAT + CB             R2 =   .0572

   DIFFERENCE =   .0020   P =   .4813

MODEL 3, ACH = CAT                  R2 =   .0552

BETA FOR CB IN MODEL 2 =   .0457

HI CB =    1.6683   LO CB =     .8132

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9853
   LO CAT, HI CB =    -.9410
   HI CAT, LO CB =     .8162
   HI CAT, HI CB =     .9977
```


TEACHER USES GROUPS AND ALSO INDIVIDUALIZES

```
CB VARIABLE 23       ID # 07023
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0694

   DIFFERENCE =   .0147   P =   .0062

MODEL 2, ACH = CAT + CB             R2 =   .0547

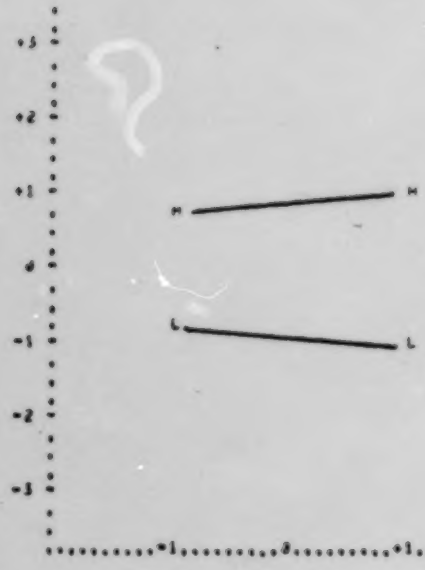
   DIFFERENCE =   .0004   P =   .8626

MODEL 3, ACH = CAT                  R2 =   .0543

BETA FOR CB IN MODEL 2 =  -.0214

HI CB =    2.0066   LO CB =    1.0007

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.7886
   LO CAT, HI CB =   -1.0153
   HI CAT, LO CB =     .8478
   HI CAT, HI CB =    1.0551
```



TEACHER INDIVIDUALIZES ONLY (DOES NOT GROUP)

CB VARIABLE 24 ID # 07024
NUMBER OF VALID SCORES # 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0577

DIFFERENCE = .0018 P = .3402

MODEL 2, ACH = CAT + CB R2 = .0559

DIFFERENCE = .0016 P = .3824

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0398

HI CB = 1.5763 LO CB = .7974

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0056
LO CAT, HI CB = -.0165
HI CAT, LO CB = .9197
HI CAT, HI CB = .9205

TEACHER NEITHER GROUPS NOR INDIVIDUALIZES

CB VARIABLE 26 ID # 07026
NUMBER OF VALID SCORES # 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0592

DIFFERENCE = .0042 P = .1483

MODEL 2, ACH = CAT + CB R2 = .0550

DIFFERENCE = .0007 P = .5619

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0273

HI CB = 1.4154 LO CB = .7984

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0031
LO CAT, HI CB = -.0424
HI CAT, LO CB = .9989
HI CAT, HI CB = .0700

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TEACHER GROUPS ONLY (DOES NOT INDIVIDUALIZE)

CB VARIABLE 25 ID # 07025
NUMBER OF VALID SCORES # 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0583

DIFFERENCE = .0040 P = .1602

MODEL 2, ACH = CAT + CB R2 = .0543

DIFFERENCE = .0000 P = .9882

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0051

HI CB = 1.6000 LO CB = .8000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9986
LO CAT, HI CB = -.0139
HI CAT, LO CB = .9701
HI CAT, HI CB = .8889

GIVES TESTS FREQUENTLY (EXCLUDING SPELLING TESTS)

CB VARIABLE 27 ID # 07027
NUMBER OF VALID SCORES # 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0549

DIFFERENCE = .0034 P = .1925

MODEL 2, ACH = CAT + CB R2 = .0515

DIFFERENCE = .0022 P = .2975

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .2471

HI CB = 3.2978 LO CB = 1.2897

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8984
LO CAT, HI CB = -.0544
HI CAT, LO CB = .8394
HI CAT, HI CB = 1.0332

USED BOTH TEACHER-MADE AND PREPARED TESTS, AS OPPOSED TO TEACHER-MADE ONLY

CB VARIABLE 28 ID = 07028
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8628

DIFFERENCE = .0002 P = .7569

MODEL 2, ACH = CAT + CB R2 = .8626

DIFFERENCE = .0083 P = .2386

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0930

HI CB = 1.7678 LO CB = .8456

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0185
LO CAT, HI CB = -.7922
HI CAT, LO CB = .8254
HI CAT, HI CB = .9890

ADVANTAGES OF SELF-MADE TESTS:
TESTS WHAT IS TAUGHT; KIDS FAMILIAR W/MATERIAL

CB VARIABLE 29 ID = 07029
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8601

DIFFERENCE = .0047 P = .1229

MODEL 2, ACH = CAT + CB R2 = .8554

DIFFERENCE = .0011 P = .7085

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0330

HI CB = 2.2820 LO CB = 1.5846

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0455
LO CAT, HI CB = -.8173
HI CAT, LO CB = .9587
HI CAT, HI CB = .8968

CAN GIVE DIFFERENT TESTS TO ABILITY GROUPS; MORE INDIVIDUALIZATION

CB VARIABLE 30 ID = 07030
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8554

DIFFERENCE = .0003 P = .6934

MODEL 2, ACH = CAT + CB R2 = .8551

DIFFERENCE = .0008 P = .5497

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0276

HI CB = 1.5266 LO CB = .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9189
LO CAT, HI CB = -.9363
HI CAT, LO CB = .9716
HI CAT, HI CB = .8696

BETTER FORM, INSTRUCTIONS; USE TERMS KIDS KNOW; SIMILAR TO HOME-WORK

CB VARIABLE 31 ID = 07031
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8584

DIFFERENCE = .0013 P = .4338

MODEL 2, ACH = CAT + CB R2 = .8572

DIFFERENCE = .0029 P = .2315

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0554

HI CB = 1.4154 LO CB = .7980

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8330
LO CAT, HI CB = -.9694
HI CAT, LO CB = .9131
HI CAT, HI CB = .9282

OTHER ADVANTAGES TO SELF-MADE TESTS (NOT LISTED PREVIOUSLY)

CB VARIABLE 32 ID = 07032
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8582

DIFFERENCE = .0037 P = .1770

MODEL 2, ACH = CAT + CB R2 = .8545

DIFFERENCE = .0002 P = .7500

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0188

HI CB = 1.7865 LO CB = .8535

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8532
LO CAT, HI CB = -1.0853
HI CAT, LO CB = .8818
HI CAT, HI CB = .9858

DISADVANTAGES OF SELF-MADE TESTS:
VALIDITY, RELIABILITY) DO NOT COVER ALL SKILLS

CB VARIABLE 33 ID = 07033
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8601

DIFFERENCE = .0052 P = .1053

MODEL 2, ACH = CAT + CB R2 = .8549

DIFFERENCE = .0006 P = .5942

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0247

HI CB = 1.8400 LO CB = .8800

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0122
LO CAT, HI CB = -.8424
HI CAT, LO CB = .9698
HI CAT, HI CB = .8635

TAKES MUCH TIME, EFFORT, WORK TO MAKE A TEST

CB VARIABLE 34 ID = 07034
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8602

DIFFERENCE = .0064 P = .0685

MODEL 2, ACH = CAT + CB R2 = .8578

DIFFERENCE = .0035 P = .1865

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0591

HI CB = 2.1865 LO CB = 1.2135

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7553
LO CAT, HI CB = -1.0538
HI CAT, LO CB = .8994
HI CAT, HI CB = .9367

OTHER DISADVANTAGES TO SELF-MADE TESTS (NOT LISTED PREVIOUSLY)

CB VARIABLE 35 ID = 07035
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8578

DIFFERENCE = .0019 P = .3355

MODEL 2, ACH = CAT + CB R2 = .8557

DIFFERENCE = .0014 P = .4073

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0377

HI CB = 1.9733 LO CB = .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8420
LO CAT, HI CB = -.9847
HI CAT, LO CB = .9146
HI CAT, HI CB = .9182

TEACHER FINDS STUDENTS' ACADEMIC LEVEL BY
OBSERVATION OF WORK AND BEHAVIOR

CB VARIABLE 36 ID # 07#36
NUMBER OF VALID SCORES # 75

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .8578

DIFFERENCE # .0035 P # .1897

MODEL 2, ACH # CAT + CB R2 # .8543

DIFFERENCE # .0000 P # .9149

MODEL 3, ACH # CAT R2 # .8543

BETA FOR CB IN MODEL 2 # -.0049

HI CB # 1.7489 LO CB # .8245

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # -.9783
LO CAT, HI CB # -.8359
HI CAT, LO CB # .9846
HI CAT, HI CB # .8696

CHECKING PERSONAL FILES ASK COUNSELOR, OTHER TEACHERS

CB VARIABLE 37 ID # 07#37
NUMBER OF VALID SCORES # 75

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .8585

DIFFERENCE # .0019 P # .3370

MODEL 2, ACH # CAT + CB R2 # .8566

DIFFERENCE # .0003 P # .7106

MODEL 3, ACH # CAT R2 # .8543

BETA FOR CB IN MODEL 2 # -.0170

HI CB # 1.7486 LO CB # .8388

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # -.9629
LO CAT, HI CB # -.8879
HI CAT, LO CB # .9791
HI CAT, HI CB # .8288

DOING ORAL WORK, READING ALOUD

CB VARIABLE 38 ID # 07#38
NUMBER OF VALID SCORES # 75

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .8655

DIFFERENCE # .0065 P # .0654

MODEL 2, ACH # CAT + CB R2 # .8590

DIFFERENCE # .0047 P # .1202

MODEL 3, ACH # CAT R2 # .8543

BETA FOR CB IN MODEL 2 # -.0690

HI CB # 1.7486 LO CB # .8388

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # -.7610
LO CAT, HI CB # -1.0447
HI CAT, LO CB # .9021
HI CAT, HI CB # .9243

GETTING WRITING SAMPLE, PARAGRAPH

CB VARIABLE 39 ID # 07#39
NUMBER OF VALID SCORES # 75

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .8554

DIFFERENCE # 0.0000 P # 1.0000

MODEL 2, ACH # CAT + CB R2 # .8554

DIFFERENCE # .0011 P # .4677

MODEL 3, ACH # CAT R2 # .8543

BETA FOR CB IN MODEL 2 # .0345

HI CB # 1.8737 LO CB # .8997

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # -.9508
LO CAT, HI CB # -.8815
HI CAT, LO CB # .8815
HI CAT, HI CB # .9508

USING STANDARD DIAGNOSTIC TEST

```
CB VARIABLE 60       ID = 07060
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8629

   DIFFERENCE =   .0083   P =   .0388

MODEL 2, ACH = CAT + CB             R2 =   .8545

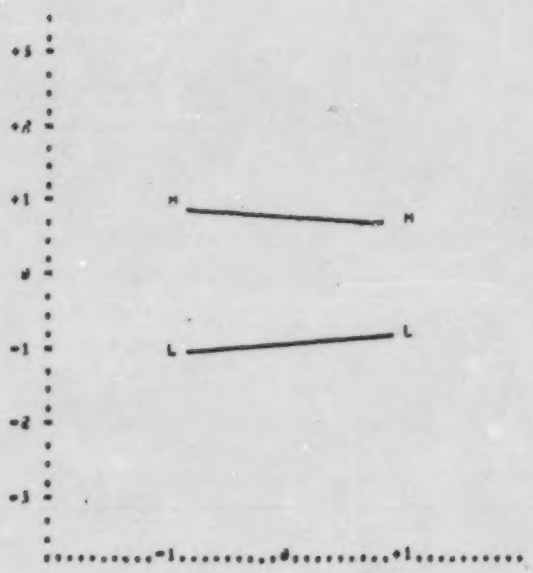
   DIFFERENCE =   .0002   P =   .7451

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0146

HI CB =    1.4154   LO CB =     .7908

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -1.0119
   LO CAT, HI CB =    -.8329
   HI CAT, LO CB =    1.0288
   HI CAT, HI CB =     .8488
```



USING DIAGNOSTIC TEST--UNSPECIFIED IF STANDARD OR SELF-MADE

```
CB VARIABLE 61       ID = 07061
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8748

   DIFFERENCE =   .0203   P =   .0015

MODEL 2, ACH = CAT + CB             R2 =   .8545

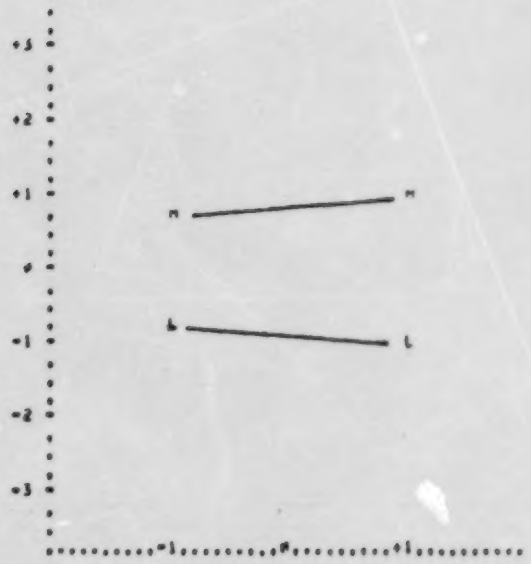
   DIFFERENCE =   .0002   P =   .7483

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =  .0150

HI CB =    2.0791   LO CB =    1.0962

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8327
   LO CAT, HI CB =   -1.0180
   HI CAT, LO CB =     .8425
   HI CAT, HI CB =    1.0421
```



USING SELF MADE DIAGNOSTIC TEST

```
CB VARIABLE #2       ID = #7002
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8598

   DIFFERENCE =   .0017   P =   .3555

MODEL 2, ACH = CAT + CB             R2 =   .8577

   DIFFERENCE =   .0034   P =   .1985

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =   .8592

HI CB =    1.0733   LO CB =     .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =  -1.0232
   LO CAT, HI CB =   -.7988
   HI CAT, LO CB =    .8896
   HI CAT, HI CB =    .9557
```

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ASKING THE STUDENT

```
CB VARIABLE #3       ID = #7003
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8546

   DIFFERENCE =   .0002   P =   .7784

MODEL 2, ACH = CAT + CB             R2 =   .8545

   DIFFERENCE =   .0002   P =   .7648

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0134

HI CB =    1.0733   LO CB =     .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -.8985
   LO CAT, HI CB =   -.9581
   HI CAT, LO CB =    .9259
   HI CAT, HI CB =    .9212
```


TEACHER FINDS CAUSES OF LEARNING PROBLEMS BY ANALYSIS OF WORK, BEHAVIOR

```
CB VARIABLE #4       ID = #7004
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8508

   DIFFERENCE =   .0003   P =   .6965

MODEL 2, ACH = CAT + CB             R2 =   .8505

   DIFFERENCE =   .0022   P =   .2982

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =   .0479

HI CB =    1.7865   LO CB =     .8535

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -.9691
   LO CAT, HI CB =   -.8986
   HI CAT, LO CB =    .8675
   HI CAT, HI CB =   1.0022
```

REFERRING KID TO COUNSELOR, RESOURCE TEACHER, SPECIAL ED.

```
CB VARIABLE #5       ID = #7005
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8505

   DIFFERENCE =   .0039   P =   .1609

MODEL 2, ACH = CAT + CB             R2 =   .8548

   DIFFERENCE =   .0003   P =   .7057

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0173

HI CB =    1.0671   LO CB =     .8129

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -.9725
   LO CAT, HI CB =   -.8365
   HI CAT, LO CB =   1.0001
   HI CAT, HI CB =    .8645
```

CONSULTING PERMANENT FILE, COUNSELOR, OTHER TEACHERS

CB VARIABLE 46 ID = 07046
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8583

DIFFERENCE = .0023 P = .2869

MODEL 2, ACH = CAT + CB R2 = .8560

DIFFERENCE = .0017 P = .3604

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0415

HI CB = 1.9656 LO CB = .9678

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8384
LO CAT, HI CB = -1.0171
HI CAT, LO CB = .9157
HI CAT, HI CB = .9275

USING DIAGNOSTIC TEST

CB VARIABLE 48 ID = 07048
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8602

DIFFERENCE = .0003 P = .7159

MODEL 2, ACH = CAT + CB R2 = .8600

DIFFERENCE = .0056 P = .0888

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0752

HI CB = 1.5004 LO CB = .7929

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0136
LO CAT, HI CB = -.0345
HI CAT, LO CB = .8624
HI CAT, HI CB = .9879

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WORKING WITH STUDENT; CONFERENCE WITH STUDENT

CB VARIABLE 47 ID = 07047
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8564

DIFFERENCE = .0012 P = .4498

MODEL 2, ACH = CAT + CB R2 = .8551

DIFFERENCE = .0008 P = .5331

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0289

HI CB = 1.9512 LO CB = .9555

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9237
LO CAT, HI CB = -.9836
HI CAT, LO CB = .9846
HI CAT, HI CB = .8541

CONTACTING PARENTS

CB VARIABLE 49 ID = 07049
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8609

DIFFERENCE = .0046 P = .1271

MODEL 2, ACH = CAT + CB R2 = .8564

DIFFERENCE = .0020 P = .3158

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0461

HI CB = 1.4154 LO CB = .7988

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0967
LO CAT, HI CB = -.6315
HI CAT, LO CB = .9199
HI CAT, HI CB = .8985

OTHER METHODS TO DIAGNOSE LEARNING PROBLEMS

CB VARIABLE 50 ID # 07050
NUMBER OF VALID SCORES # 75

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .8598

DIFFERENCE # .0016 P # .3764

MODEL 2, ACH # CAT + CB R2 # .8582

DIFFERENCE # .0039 P # .1578

MODEL 3, ACH # CAT R2 # .8543

BETA FOR CB IN MODEL 2 # .8629

HI CB # 1.5266 LO CB # .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # -1.0277
LO CAT, HI CB # -.7885
HI CAT, LO CB # .8955
HI CAT, HI CB # .9328

TEACHER GIVES STEP-BY-STEP PROCESS TO DIAGNOSE LEARNING PROBLEM

CB VARIABLE 51 ID # 07051
NUMBER OF VALID SCORES # 75

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .8555

DIFFERENCE # .0000 P # .9805

MODEL 2, ACH # CAT + CB R2 # .8555

DIFFERENCE # .0011 P # .4589

MODEL 3, ACH # CAT R2 # .8543

BETA FOR CB IN MODEL 2 # .8339

HI CB # 1.4753 LO CB # .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # -.9577
LO CAT, HI CB # -.8886
HI CAT, LO CB # .8899
HI CAT, HI CB # .9563

FOR STUDENTS WHO NEED REMEDIATION OR ENRICHMENT:
GIVE SUPPLEMENTARY PACKETS, WORKBOOKS, KITS

CB VARIABLE 52 ID # 07052
NUMBER OF VALID SCORES # 75

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .8561

DIFFERENCE # .0012 P # .4575

MODEL 2, ACH # CAT + CB R2 # .8549

DIFFERENCE # .0006 P # .5995

MODEL 3, ACH # CAT R2 # .8543

BETA FOR CB IN MODEL 2 # .8244

HI CB # 2.8564 LO CB # 1.8636

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # -.9797
LO CAT, HI CB # -.8638
HI CAT, LO CB # .9865
HI CAT, HI CB # .9188

GIVE DIFFERENT LEVEL TEXTS, READERS

CB VARIABLE 53 ID # 07053
NUMBER OF VALID SCORES # 75

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .8585

DIFFERENCE # .0035 P # .1866

MODEL 2, ACH # CAT + CB R2 # .8550

DIFFERENCE # .0007 P # .5759

MODEL 3, ACH # CAT R2 # .8543

BETA FOR CB IN MODEL 2 # -.0268

HI CB # 1.8737 LO CB # .8997

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # -.8882
LO CAT, HI CB # -.9748
HI CAT, LO CB # .8764
HI CAT, HI CB # .9488

GIVE TEACHER MADE MATERIALS; DITTOS, HANDOUTS

CB VARIABLE 54 ID = 07054
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8562

DIFFERENCE = .0015 P = .4020

MODEL 2, ACH = CAT + CB R2 = .8548

DIFFERENCE = .0005 P = .6345

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0223

HI CB = 1.7865 LO CB = .8535

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9892
LO CAT, HI CB = -.8777
HI CAT, LO CB = .9424
HI CAT, HI CB = .8998

GIVE PUZZLES, GAMES

CB VARIABLE 55 ID = 07055
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8552

DIFFERENCE = .0003 P = .6966

MODEL 2, ACH = CAT + CB R2 = .8549

DIFFERENCE = .0006 P = .6046

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0238

HI CB = 1.4154 LO CB = .7988

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9690
LO CAT, HI CB = -.8639
HI CAT, LO CB = .9185
HI CAT, HI CB = .9235

USE AUDIO-VISUAL AIDS, LISTENING STATION, ANALOG COMPUTER

CB VARIABLE 56 ID = 07056
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8575

DIFFERENCE = .0017 P = .3654

MODEL 2, ACH = CAT + CB R2 = .8558

DIFFERENCE = .0015 P = .3968

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0388

HI CB = 1.2788 LO CB = .8286

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0365
LO CAT, HI CB = -.7691
HI CAT, LO CB = .9883
HI CAT, HI CB = .9299

GIVE EXTRA-CREDIT ASSIGNMENTS, PROJECTS

CB VARIABLE 57 ID = 07057
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8656

DIFFERENCE = .0051 P = .1007

MODEL 2, ACH = CAT + CB R2 = .8604

DIFFERENCE = .0061 P = .0758

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0703

HI CB = 1.0733 LO CB = .7938

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0882
LO CAT, HI CB = -.7295
HI CAT, LO CB = .9190
HI CAT, HI CB = .8973

REFER TO RESOURCE TEACHER, SPECIAL HELP

CB VARIABLE 58 ID = 07058
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8619

DIFFERENCE = .0068 P = .0627

MODEL 2, ACH = CAT + CB R2 = .8552

DIFFERENCE = .0008 P = .5255

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0293

HI CB = 1.6000 LO CB = .8000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9875
LO CAT, HI CB = -.8026
HI CAT, LO CB = 1.0306
HI CAT, HI CB = .8036

TEACHER USES ENRICHMENT ACTIVITIES

CB VARIABLE 60 ID = 07060
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8727

DIFFERENCE = .0043 P = .1229

MODEL 2, ACH = CAT + CB R2 = .8684

DIFFERENCE = .0141 P = .0070

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .1189

HI CB = 1.7290 LO CB = .8310

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.1011
LO CAT, HI CB = -.7184
HI CAT, LO CB = .8627
HI CAT, HI CB = .9674

OTHERS READING CLASS, EASIER ASSIGNMENTS FOR REMEDIAL ENRICHMENT

CB VARIABLE 59 ID = 07059
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8569

DIFFERENCE = .0018 P = .4925

MODEL 2, ACH = CAT + CB R2 = .8559

DIFFERENCE = .0016 P = .3729

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0404

HI CB = 1.6071 LO CB = .8129

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9174
LO CAT, HI CB = -.9336
HI CAT, LO CB = .9976
HI CAT, HI CB = .8571

TEACHER STRESSES EFFORT IN DECIDING GRADES, RATHER THAN ACHIEVEMENT

CB VARIABLE 61 ID = 07061
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8550

DIFFERENCE = .0007 P = .5767

MODEL 2, ACH = CAT + CB R2 = .8543

DIFFERENCE = .0000 P = .9164

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0047

HI CB = 2.7659 LO CB = 1.2341

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8906
LO CAT, HI CB = -.9081
HI CAT, LO CB = .9882
HI CAT, HI CB = .9542

TEACHER REGULARLY USES CURVE IN GRADING

CB VARIABLE 62 ID = 07062
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8566

DIFFERENCE = .0019 P = .3413

MODEL 2, ACH = CAT + CB R2 = .8548

DIFFERENCE = .0005 P = .6379

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0219

HI CB = 2.3472 LO CB = .7728

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8467
LO CAT, HI CB = -.9635
HI CAT, LO CB = .8975
HI CAT, HI CB = .9613

TO PREVENT CONFUSION WITH NEW MATERIALS:
USE EXAMPLES--CONCRETE, GRAPHIC

CB VARIABLE 63 ID = 07063
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8593

DIFFERENCE = .0001 P = .7963

MODEL 2, ACH = CAT + CB R2 = .8592

DIFFERENCE = .0049 P = .1145

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0702

HI CB = 1.5519 LO CB = .7908

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8367
LO CAT, HI CB = -.9952
HI CAT, LO CB = .9755
HI CAT, HI CB = .8689

EXPLAIN DIFFERENT WAYS; USE SMALL STEPS; REPEAT; DETAILED LECTURE

CB VARIABLE 64 ID = 07064
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8549

DIFFERENCE = .0005 P = .6279

MODEL 2, ACH = CAT + CB R2 = .8544

DIFFERENCE = .0001 P = .8885

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0108

HI CB = 1.9656 LO CB = .9678

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9789
LO CAT, HI CB = -.9819
HI CAT, LO CB = .9488
HI CAT, HI CB = .9172

USE VISUAL AND AUDITORY AIDS; OVERHEAD PROJECTOR

CB VARIABLE 65 ID = 07065
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8598

DIFFERENCE = .0006 P = .6073

MODEL 2, ACH = CAT + CB R2 = .8584

DIFFERENCE = .0005 P = .6134

MODEL 3, ACH = CAT R2 = .8579

BETA FOR CB IN MODEL 2 = .0232

HI CB = 1.8526 LO CB = .8871

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9695
LO CAT, HI CB = -.8694
HI CAT, LO CB = .9226
HI CAT, HI CB = .9129

RELATE TO PREVIOUS MATERIAL AND BUILD FROM THERE

CB VARIABLE 66 ID = 07066
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0623

DIFFERENCE = .0067 P = .0643

MODEL 2, ACH = CAT + CB R2 = .0556

DIFFERENCE = .0013 P = .4357

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = *.0357

HI CB = 1.3513 LO CB = .0887

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.0183
LO CAT, HI CB = -1.0077
HI CAT, LO CB = .0622
HI CAT, HI CB = .9982

ASK FOR QUESTIONS; DISCUSS W/STUDENTS; WATCH FOR PUZZLED FACES

CB VARIABLE 68 ID = 07068
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0574

DIFFERENCE = .0025 P = .2658

MODEL 2, ACH = CAT + CB R2 = .0549

DIFFERENCE = .0006 P = .5990

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0241

HI CB = 1.5763 LO CB = .7970

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8984
LO CAT, HI CB = -.9433
HI CAT, LO CB = .8492
HI CAT, HI CB = .9959

GENERATE INTEREST, MOTIVATION; RELATE TO REAL WORLD; BE ENTERTAINING

CB VARIABLE 67 ID = 07067
NUMBER OF VALID SCORES = 75

MODEL 1, CH = CAT + CB + CAT*CB R2 = .0570

DIFFERENCE = .0002 P = .7417

MODEL 2, ACH = CAT + CB R2 = .0568

DIFFERENCE = .0025 P = .2708

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0501

HI CB = 1.5004 LO CB = .7029

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9438
LO CAT, HI CB = -.9137
HI CAT, LO CB = .8532
HI CAT, HI CB = .9871

GIVE ORAL EXPLANATION, LECTURE

CB VARIABLE 69 ID = 07069
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0546

DIFFERENCE = .0002 P = .7348

MODEL 2, ACH = CAT + CB R2 = .0544

DIFFERENCE = .0000 P = .8757

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0068

HI CB = 1.7290 LO CB = .8310

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9869
LO CAT, HI CB = -.9849
HI CAT, LO CB = .9333
HI CAT, HI CB = .9126

CHECK COMPREHENSION W/TEST, DRILL EXERCISES, BOARD WORK

CB VARIABLE 70 ID = 07070
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8642

DIFFERENCE = .0004 P = .8282

MODEL 2, ACH = CAT + CB R2 = .8548

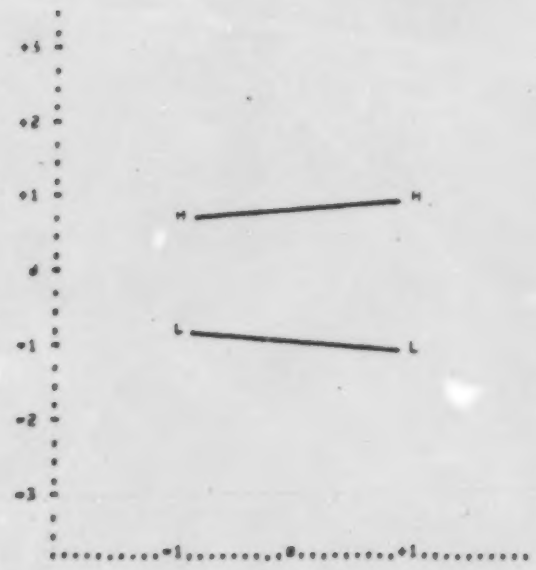
DIFFERENCE = .0005 P = .9156

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0233

HI CB = 1.4733 LO CB = .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8697
LO CAT, HI CB = -.9594
HI CAT, LO CB = .7897
HI CAT, HI CB = 1.8965



GIVE HANDOUT; WRITTEN INSTRUCTIONS OR EXPLANATION, OUTLINE

CB VARIABLE 71 ID = 07071
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8545

DIFFERENCE = .0002 P = .7381

MODEL 2, ACH = CAT + CB R2 = .8543

DIFFERENCE = .0000 P = .9434

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0031

HI CB = 1.4733 LO CB = .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9478
LO CAT, HI CB = -.8857
HI CAT, LO CB = .9333
HI CAT, HI CB = .9125

USE PRIVATE CONTACTS; WORK WITH STUDENTS INDIVIDUALLY

CB VARIABLE 72 ID = 07072
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8573

DIFFERENCE = .0026 P = .2618

MODEL 2, ACH = CAT + CB R2 = .8547

DIFFERENCE = .0004 P = .6842

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0201

HI CB = 1.3513 LO CB = .8867

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9611
LO CAT, HI CB = -.8784
HI CAT, LO CB = .9951
HI CAT, HI CB = .8498

ACTIVE STUDENT PARTICIPATION: TAKE NOTES; WORK PROBLEMS W/TEACHER

CB VARIABLE 73 ID = 07073
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0583

DIFFERENCE = .0040 P = .1586

MODEL 2, ACH = CAT + CB R2 = .0544

DIFFERENCE = .0000 P = .0739

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0869

HI CB = 1.2788 LO CB = .8286

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0589
LO CAT, HI CB = -.7248
HI CAT, LO CB = 1.0523
HI CAT, HI CB = .7268

OTHER:TEACH VOCABULARY; KEEP THEM QUIET; LET PEERS EXPLAIN

CB VARIABLE 74 ID = 07074
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0601

DIFFERENCE = .0016 P = .3692

MODEL 2, ACH = CAT + CB R2 = .0585

DIFFERENCE = .0042 P = .1467

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0607

HI CB = 1.7489 LO CB = .8265

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9484
LO CAT, HI CB = -.8937
HI CAT, LO CB = .8145
HI CAT, HI CB = 1.0099

WHEN STUDENTS STRIVE TO HIDE THEIR CONFUSION:
AVOID EMBARASSING; BUILD TRUST; DRAW THEM OUT

CB VARIABLE 75 ID = 07075
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0570

DIFFERENCE = .0027 P = .2518

MODEL 2, ACH = CAT + CB R2 = .0543

DIFFERENCE = .0000 P = .0995

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0855

HI CB = 1.7486 LO CB = .8388

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9779
LO CAT, HI CB = -.8319
HI CAT, LO CB = .9657
HI CAT, HI CB = .8020

GIVE HELP IN CLASS; WORK WITH STUDENT; RETEACH

CB VARIABLE 76 ID = 07076
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0560

DIFFERENCE = .0020 P = .3223

MODEL 2, ACH = CAT + CB R2 = .0544

DIFFERENCE = .0001 P = .8235

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0898

HI CB = 2.0445 LO CB = 1.0488

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9731
LO CAT, HI CB = -.8646
HI CAT, LO CB = .9525
HI CAT, HI CB = .8025

GIVE HELP, TALK WITH THEM OUTSIDE OF CLASS

CB VARIABLE 77 ID = #7077
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8575

DIFFERENCE = .0031 P = .2131

MODEL 2, ACH = CAT + CB R2 = .8544

DIFFERENCE = .0001 P = .8425

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0687

HI CB = 1.0733 LO CB = .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0117
LO CAT, HI CB = -.7733
HI CAT, LO CB = .9666
HI CAT, HI CB = .8596

LEAVE IT UP TO STUDENT TO SEEK HELP, TAKE INITIATIVE

CB VARIABLE 79 ID = #7079
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8577

DIFFERENCE = .0029 P = .2286

MODEL 2, ACH = CAT + CB R2 = .8547

DIFFERENCE = .0004 P = .6515

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0210

HI CB = 1.3161 LO CB = .8172

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9181
LO CAT, HI CB = -.9171
HI CAT, LO CB = .8292
HI CAT, HI CB = 1.0441

CALL ON THEM IN CLASS; GET THEM INVOLVED AT BOARD, ANSWERING QUESTIONS

CB VARIABLE 78 ID = #7078
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8618

DIFFERENCE = .0060 P = .0809

MODEL 2, ACH = CAT + CB R2 = .8559

DIFFERENCE = .0016 P = .3855

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0398

HI CB = 1.3513 LO CB = .8887

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9155
LO CAT, HI CB = -.9203
HI CAT, LO CB = .7866
HI CAT, HI CB = 1.0997

GET HELP, INFORMATION FROM COUNSELOR, PRINCIPAL PARENTS; CHECK RECORDS

CB VARIABLE 80 ID = #7080
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8626

DIFFERENCE = .0028 P = .2390

MODEL 2, ACH = CAT + CB R2 = .8598

DIFFERENCE = .0054 P = .0949

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0739

HI CB = 1.3513 LO CB = .8887

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.1037
LO CAT, HI CB = -.8619
HI CAT, LO CB = .9221
HI CAT, HI CB = .8723

NOT A PROBLEM; DOESNT HAPPEN MUCH

CB VARIABLE 81 ID = 07081
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8575

DIFFERENCE = .0000 P = .9519

MODEL 2, ACH = CAT + CB R2 = .8575

DIFFERENCE = .0032 P = .2085

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0572

HI CB = 1.5763 LO CB = .7979

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8756
LO CAT, HI CB = -.9956
HI CAT, LO CB = .9905
HI CAT, HI CB = .8790

OTHER; USE CONTRACTS, PEER TUTORS; CATCH IT ON TESTS

CB VARIABLE 82 ID = 07082
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8692

DIFFERENCE = .0146 P = .0864

MODEL 2, ACH = CAT + CB R2 = .8546

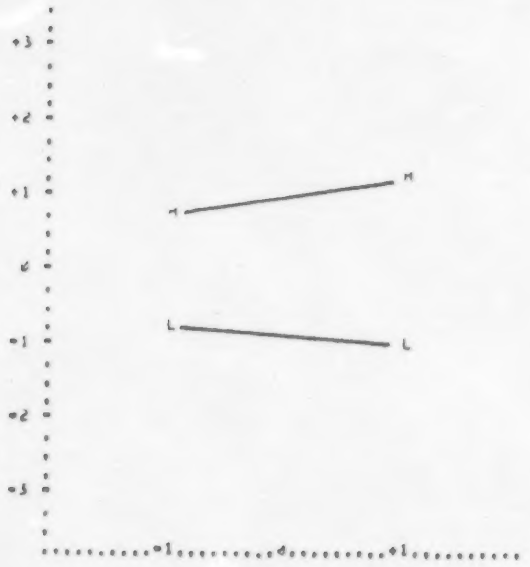
DIFFERENCE = .0002 P = .7281

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0167

HI CB = 1.5266 LO CB = .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8515
LO CAT, HI CB = -.9660
HI CAT, LO CB = .7582
HI CAT, HI CB = 1.3143



TEACHER HAS STEP-BY-STEP PROCESS FOR STUDENTS WHO TRY TO HIDE CONFUSION

```
CB VARIABLE 83       ID = 07083
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =    .0606

   DIFFERENCE =    .0034    P =    .1888

MODEL 2, ACH = CAT + CB             R2 =    .0571

   DIFFERENCE =    .0028    P =    .2335

MODEL 3, ACH = CAT                  R2 =    .0543

BETA FOR CB IN MODEL 2 =    .0536

HI CB =     1.3513   LO CB =     .0067

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -1.1125
   LO CAT, HI CB =    -.0253
   HI CAT, LO CB =     .9327
   HI CAT, HI CB =     .0671
```

TEACHER HAS ESTABLISHED RULES AND PROCEDURES FOR APPROPRIATE BEHAVIOR

```
CB VARIABLE 84       ID = 07084
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =    .0551

   DIFFERENCE =    .0002    P =    .7713

MODEL 2, ACH = CAT + CB             R2 =    .0550

   DIFFERENCE =    .0006    P =    .5002

MODEL 3, ACH = CAT                  R2 =    .0543

BETA FOR CB IN MODEL 2 =   -.0254

HI CB =     2.2020   LO CB =    1.5840

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.0785
   LO CAT, HI CB =    -.9630
   HI CAT, LO CB =     .9356
   HI CAT, HI CB =     .0093
```


ESTABLISHED RULES AND PROCEDURES ARE
MUST COME PREPARED; BRING SUPPLIES, HOMEWORK, MATERIALS

```
CB VARIABLE 85       ID = 07085
NUMBER OF VALID SCORES =    73

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =    .0583

   DIFFERENCE =    .0003    P =    .7218

MODEL 2, ACH = CAT + CB             R2 =    .0580

   DIFFERENCE =    .0051    P =    .1136

MODEL 3, ACH = CAT                  R2 =    .0538

BETA FOR CB IN MODEL 2 =   -.0722

HI CB =     1.7796   LO CB =     .0505

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8215
   LO CAT, HI CB =    -.9939
   HI CAT, LO CB =     .9678
   HI CAT, HI CB =     .0573
```

MUST BE ON TIME; IN SEAT AT BELL; NO TARDINESS

```
CB VARIABLE 86       ID = 07086
NUMBER OF VALID SCORES =    73

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =    .0573

   DIFFERENCE =    .0041    P =    .1619

MODEL 2, ACH = CAT + CB             R2 =    .0533

   DIFFERENCE =    .0003    P =    .7835

MODEL 3, ACH = CAT                  R2 =    .0530

BETA FOR CB IN MODEL 2 =   -.0177

HI CB =     1.9498   LO CB =     .9546

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8321
   LO CAT, HI CB =    -.9937
   HI CAT, LO CB =     .8784
   HI CAT, HI CB =     .9677
```

MUST SIT IN ASSIGNED SEAT

```
CB VARIABLE 87       ID = 07087
NUMBER OF VALID SCORES =    73

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0655

   DIFFERENCE =   .0033   P =   .1958

MODEL 2, ACH = CAT + CB             R2 =   .0622

   DIFFERENCE =   .0092   P =   .0317

MODEL 3, ACH = CAT                  R2 =   .0530

BETA FOR CB IN MODEL 2 =   .0989

HI CB =    1.0521   LO CB =     .7945

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -1.0866
   LO CAT, HI CB =    -.0586
   HI CAT, LO CB =     .0396
   HI CAT, HI CB =     .9782
```

MUST NOT LEAVE SEAT WITHOUT PERMISSION

```
CB VARIABLE 88       ID = 07088
NUMBER OF VALID SCORES =    73

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0564

   DIFFERENCE =   .0002   P =   .7390

MODEL 2, ACH = CAT + CB             R2 =   .0562

   DIFFERENCE =   .0032   P =   .2123

MODEL 3, ACH = CAT                  R2 =   .0534

BETA FOR CB IN MODEL 2 =   .0573

HI CB =    1.0329   LO CB =     .8055

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9787
   LO CAT, HI CB =    -.0852
   HI CAT, LO CB =     .0583
   HI CAT, HI CB =    1.0134
```


MUST NOT INTERRUPT TEACHER OR OTHERS; RAISE HAND; TALK ONE AT A TIME

```
CB VARIABLE 89       ID = 07089
NUMBER OF VALID SCORES =    73

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0534

   DIFFERENCE =   .0003   P =   .7107

MODEL 2, ACH = CAT + CB             R2 =   .0531

   DIFFERENCE =   .0002   P =   .7715

MODEL 3, ACH = CAT                  R2 =   .0530

BETA FOR CB IN MODEL 2 =   -.0134

HI CB =    2.0068   LO CB =    1.0069

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9284
   LO CAT, HI CB =    -.9285
   HI CAT, LO CB =     .9625
   HI CAT, HI CB =     .8995
```

NO DISRUPTION, LOUD TALKING, BOTHERING OTHERS

CB VARIABLE 90 ID = 07090
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0628

DIFFERENCE = .0089 P = .0353

MODEL 2, ACH = CAT + CB R2 = .0539

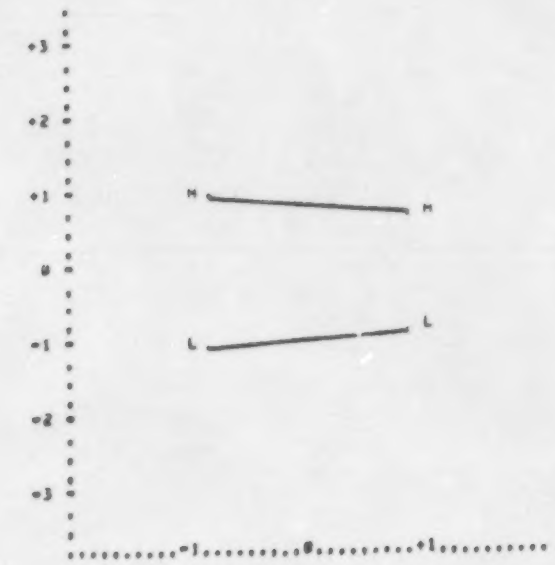
DIFFERENCE = .0089 P = .5184

MODEL 3, ACH = CAT R2 = .0538

BETA FOR CB IN MODEL 2 = -.0302

HI CB = 1.6329 LO CB = .0855

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9871
LO CAT, HI CB = -.8173
HI CAT, LO CB = 1.0401
HI CAT, HI CB = .7726



NO FIGHTING, HORSEPLAY, THROWING THINGS

CB VARIABLE 91 ID = 07091
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0637

DIFFERENCE = .0089 P = .5188

MODEL 2, ACH = CAT + CB R2 = .0628

DIFFERENCE = .0099 P = .0262

MODEL 3, ACH = CAT R2 = .0538

BETA FOR CB IN MODEL 2 = -.0997

HI CB = 1.5855 LO CB = .7981

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8810
LO CAT, HI CB = -1.0651
HI CAT, LO CB = 1.0820
HI CAT, HI CB = .8505

NO GUM OR FOOD ALLOWED

CB VARIABLE 92 ID = 07092
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0660

DIFFERENCE = .0044 P = .1302

MODEL 2, ACH = CAT + CB R2 = .0656

DIFFERENCE = .0106 P = .0212

MODEL 3, ACH = CAT R2 = .0550

BETA FOR CB IN MODEL 2 = .1038

HI CB = 1.5855 LO CB = .7981

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0859
LO CAT, HI CB = -.7138
HI CAT, LO CB = .8679
HI CAT, HI CB = .9652

EXPECT MUTUAL RESPECT, COURTESY; RESPECT RIGHTS OF OTHERS

CB VARIABLE 93 ID = 07093
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0599

DIFFERENCE = .0055 P = .0998

MODEL 2, ACH = CAT + CB R2 = .0544

DIFFERENCE = .0016 P = .0168

MODEL 3, ACH = CAT R2 = .0539

BETA FOR CB IN MODEL 2 = -.0383

HI CB = 2.0201 LO CB = 1.0210

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7921
LO CAT, HI CB = -1.0206
HI CAT, LO CB = .8969
HI CAT, HI CB = .9781

TEACHER HAS RULES FOR TURNING IN HOMEWORK AND SEATWORK

CB VARIABLE 95 ID = 07095
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0588

DIFFERENCE = .0013 P = .4213

MODEL 2, ACH = CAT + CB R2 = .0575

DIFFERENCE = .0031 P = .2898

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0572

HI CB = 2.1871 LO CB = 1.3329

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9793
LO CAT, HI CB = -.8108
HI CAT, LO CB = .8885
HI CAT, HI CB = .9271

OTHERS: NO PROFANITY; OBEY SCHOOL RULES; CLEAN UP ROOM, ETC.

CB VARIABLE 94 ID = 07094
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0566

DIFFERENCE = .0005 P = .6201

MODEL 2, ACH = CAT + CB R2 = .0561

DIFFERENCE = .0032 P = .2157

MODEL 3, ACH = CAT R2 = .0530

BETA FOR CB IN MODEL 2 = .0564

HI CB = 1.8698 LO CB = .8973

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9615
LO CAT, HI CB = -.8962
HI CAT, LO CB = .8491
HI CAT, HI CB = 1.0185

RULES FOR TURNING IN HOMEWORK:
DISTINGUISHES BETWEEN EXCUSED AND UNEXCUSED IN ACCEPTING LATE PAPERS

CB VARIABLE 96 ID = 07096
NUMBER OF VALID SCORES = 63

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0349

DIFFERENCE = .0001 P = .8300

MODEL 2, ACH = CAT + CB R2 = .0348

DIFFERENCE = .0125 P = .0375

MODEL 3, ACH = CAT R2 = .0183

BETA FOR CB IN MODEL 2 = .1118

HI CB = 1.4599 LO CB = .7988

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0208
LO CAT, HI CB = -.7541
HI CAT, LO CB = .7983
HI CAT, HI CB = .9871

PENALIZES GRADE WHEN WORK IS LATE

CB VARIABLE 97 ID = 07097
NUMBER OF VALID SCORES = 63

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0238

DIFFERENCE = .0055 P = .1778

MODEL 2, ACH = CAT + CB R2 = .0183

DIFFERENCE = .0000 P = .9393

MODEL 3, ACH = CAT R2 = .0183

BETA FOR CB IN MODEL 2 = -.0041

HI CB = 1.9756 LO CB = .9768

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8268
LO CAT, HI CB = -.9829
HI CAT, LO CB = .8411
HI CAT, HI CB = .9839

WORK IS DUE ON DUE DATE

CB VARIABLE 99 ID = 07099
NUMBER OF VALID SCORES = 63

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0301

DIFFERENCE = .0008 P = .0139

MODEL 2, ACH = CAT + CB R2 = .0293

DIFFERENCE = .0110 P = .0508

MODEL 3, ACH = CAT R2 = .0183

BETA FOR CB IN MODEL 2 = .1051

HI CB = 2.1813 LO CB = 1.3108

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9885
LO CAT, HI CB = -.8319
HI CAT, LO CB = .7764
HI CAT, HI CB = 1.0411

SETS DEADLINE BEYOND ORIGINAL DUE DATE; LOOSE ON DUE DATES

CB VARIABLE 98 ID = 07098
NUMBER OF VALID SCORES = 63

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0277

DIFFERENCE = .0022 P = .3913

MODEL 2, ACH = CAT + CB R2 = .0255

DIFFERENCE = .0072 P = .1179

MODEL 3, ACH = CAT R2 = .0183

BETA FOR CB IN MODEL 2 = .0047

HI CB = 1.5242 LO CB = .7933

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0403
LO CAT, HI CB = -.7286
HI CAT, LO CB = .8826
HI CAT, HI CB = .8739

HAS PROCEDURAL RULES: DO IN INK, PENCIL; PUT IN TRAY; GRADE OWN PAPER

CB VARIABLE100 ID = 07100
NUMBER OF VALID SCORES = 63

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0291

DIFFERENCE = .0003 P = .2200

MODEL 2, ACH = CAT + CB R2 = .02-8

DIFFERENCE = .0005 P = .1386

MODEL 3, ACH = CAT R2 = .0183

BETA FOR CB IN MODEL 2 = -.0084

HI CB = 1.4599 LO CB = .7948

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9277
LO CAT, HI CB = -.7948
HI CAT, LO CB = 1.0777
HI CAT, HI CB = .8585

OTHERS CHECKS ONLY OCCASIONALLY FOR COMPREHENSION, ETC.

CB VARIABLE 1 ID = 07101
NUMBER OF VALID SCORES = 63

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0293

DIFFERENCE = .0013 P = .5205

MODEL 2, ACH = CAT + CB R2 = .0190

DIFFERENCE = .0007 P = .6424

MODEL 3, ACH = CAT R2 = .0183

BETA FOR CB IN MODEL 2 = -.0271

HI CB = 1.3497 LO CB = .0891

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9650
LO CAT, HI CB = -.8837
HI CAT, LO CB = .9506
HI CAT, HI CB = .8848

TEACHER HAS RULES FOR MAKING UP MISSED WORK

CB VARIABLE 2 ID = 07102
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0551

DIFFERENCE = .0007 P = .5587

MODEL 2, ACH = CAT + CB R2 = .0543

DIFFERENCE = .0000 P = .8984

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0458

HI CB = 2.2866 LO CB = 1.4734

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9383
LO CAT, HI CB = -.8941
HI CAT, LO CB = .9624
HI CAT, HI CB = .8936

RULES FOR MAKING UP MISSED WORK:
SETS A TIME LIMIT FOR TURNING IN MISSED WORK

CB VARIABLE 3 ID = 07103
NUMBER OF VALID SCORES = 71

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0468

DIFFERENCE = .0084 P = .6902

MODEL 2, ACH = CAT + CB R2 = .0460

DIFFERENCE = .0061 P = .1015

MODEL 3, ACH = CAT R2 = .0399

BETA FOR CB IN MODEL 2 = -.0784

HI CB = 2.0593 LO CB = 1.0674

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8597
LO CAT, HI CB = -.9795
HI CAT, LO CB = 1.0284
HI CAT, HI CB = .8252

STUDENT MUST TAKE RESPONSIBILITY FOR SEEING THAT WORK IS MADE UP

CB VARIABLE 4 ID = 07104
NUMBER OF VALID SCORES = 71

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0545

DIFFERENCE = .0056 P = .1143

MODEL 2, ACH = CAT + CB R2 = .0490

DIFFERENCE = .0091 P = .0437

MODEL 3, ACH = CAT R2 = .0399

BETA FOR CB IN MODEL 2 = .0965

HI CB = 1.0480 LO CB = .0844

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0577
LO CAT, HI CB = -.8653
HI CAT, LO CB = .8672
HI CAT, HI CB = .9829

PENALIZES GRADE FOR UNEXCUSED ABSENCE OR EXCEEDING MAKE-UP DEADLINE

CB VARIABLE 5 ID # 87105
NUMBER OF VALID SCORES # 71

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0463

DIFFERENCE = .0059 P = .1891

MODEL 2, ACH = CAT + CB R2 = .0404

DIFFERENCE = .0005 P = .6381

MODEL 3, ACH = CAT R2 = .0399

BETA FOR CB IN MODEL 2 = .0237

HI CB = 1.6195 LO CB = .0031

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0212
LO CAT, HI CB = -.7433
HI CAT, LO CB = .9589
HI CAT, HI CB = .8777

TEACHER TAKES SOME RESPONSIBILITY FOR SEEING STUDENT MAKES UP WORK

CB VARIABLE 6 ID # 87106
NUMBER OF VALID SCORES # 71

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0441

DIFFERENCE = .0233 P = .0015

MODEL 2, ACH = CAT + CB R2 = .0207

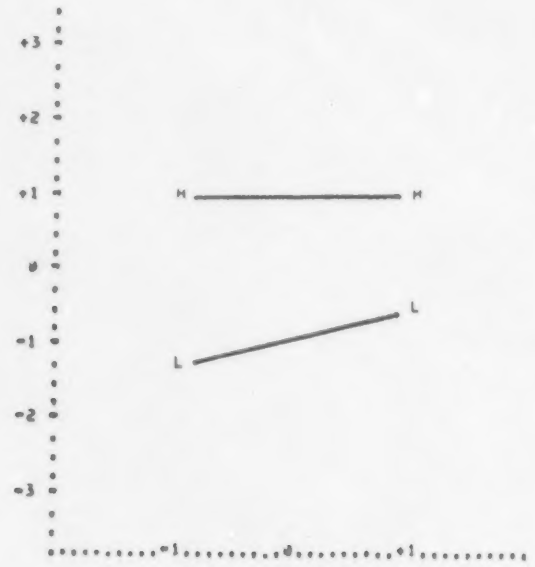
DIFFERENCE = .0009 P = .5557

MODEL 3, ACH = CAT R2 = .0399

BETA FOR CB IN MODEL 2 = -.0304

HI CB = 1.3967 LO CB = .0005

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.1681
LO CAT, HI CB = -.5234
HI CAT, LO CB = 1.0285
HI CAT, HI CB = .8881



OTHER: LAISSEZ-FAIRE ATTITUDE;MISSED WORK MUST BE MADE UP, ETC.

```
CB VARIABLE  7       ID = 07107
NUMBER OF VALID SCORES =    71

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0811

   DIFFERENCE =   .0002   P =   .7894

MODEL 2, ACH = CAT + CB             R2 =   .0409

   DIFFERENCE =   .0011   P =   .5114

MODEL 3, ACH = CAT                  R2 =   .0399

BETA FOR CB IN MODEL 2 =  -.0329

HI CB =    1.0065   LO CB =     .0185

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.0643
   LO CAT, HI CB =    -.0521
   HI CAT, LO CB =     .0302
   HI CAT, HI CB =     .0010
```


RULES AND PROCEDURES DIFFER BETWEEN CLASSES

```
CB VARIABLE  8       ID = 07108
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0658

   DIFFERENCE =   .0094   P =   .0277

MODEL 2, ACH = CAT + CB             R2 =   .0556

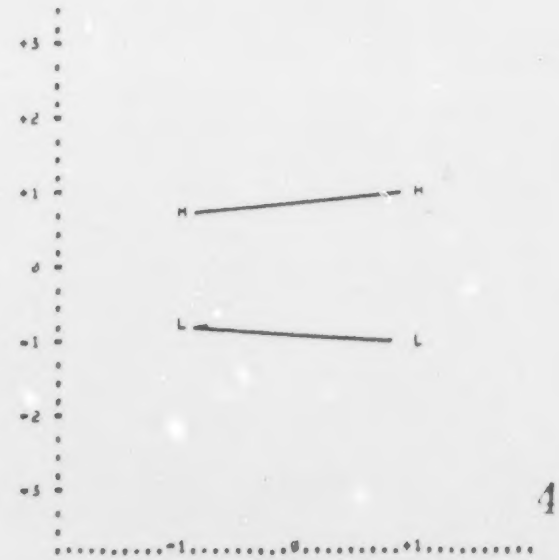
   DIFFERENCE =   .0013   P =   .4223

MODEL 3, ACH = CAT                  R2 =   .0543

BETA FOR CB IN MODEL 2 =  -.0367

HI CB =    2.0322   LO CB =    1.0304

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.7352
   LO CAT, HI CB =   -1.0254
   HI CAT, LO CB =     .0359
   HI CAT, HI CB =     .9627
```



RULES AND PROCEDURES DIFFER AMONG CLASSES AS FOLLOWS:
MINOR VARIATIONS IN STRICTNESS WITH VARIOUS CLASSES

CB VARIABLE 9 ID = 07109
NUMBER OF VALID SCORES = 45

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8946

DIFFERENCE = .0006 P = .6501

MODEL 2, ACH = CAT + CB R2 = .8940

DIFFERENCE = .0001 P = .8675

MODEL 3, ACH = CAT R2 = .8940

BETA FOR CB IN MODEL 2 = -.0003

HI CB = 1.7421 LO CB = .8356

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9189
LO CAT, HI CB = -.9689
HI CAT, LO CB = .9281
HI CAT, HI CB = .9729

CLASS STRUCTURE IS DETERMINED BY ABILITY LEVEL

CB VARIABLE 10 ID = 07110
NUMBER OF VALID SCORES = 45

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8948

DIFFERENCE = .0017 P = .4191

MODEL 2, ACH = CAT + CB R2 = .8943

DIFFERENCE = .0003 P = .7185

MODEL 3, ACH = CAT R2 = .8940

BETA FOR CB IN MODEL 2 = .0186

HI CB = 1.0742 LO CB = .8147

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0848
LO CAT, HI CB = -.8455
HI CAT, LO CB = .9681
HI CAT, HI CB = .9286

CLASS STRUCTURE IS DETERMINED BY STUDENT BEHAVIOR, RESPONSIBILITY

CB VARIABLE 11 ID = 07111
NUMBER OF VALID SCORES = 45

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8956

DIFFERENCE = .0009 P = .5717

MODEL 2, ACH = CAT + CB R2 = .8947

DIFFERENCE = .0007 P = .5983

MODEL 3, ACH = CAT R2 = .8940

BETA FOR CB IN MODEL 2 = .0273

HI CB = 2.0322 LO CB = 1.0344

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9488
LO CAT, HI CB = -.9473
HI CAT, LO CB = .8886
HI CAT, HI CB = .9952

DIFFER IN TERMS OF ACADEMIC EXPECTATIONS FOR STUDENTS

CB VARIABLE 12 ID = 07112
NUMBER OF VALID SCORES = 45

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8948

DIFFERENCE = .0035 P = .2329

MODEL 2, ACH = CAT + CB R2 = .8905

DIFFERENCE = .0025 P = .3188

MODEL 3, ACH = CAT R2 = .8940

BETA FOR CB IN MODEL 2 = -.0585

HI CB = 1.4250 LO CB = .7968

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9678
LO CAT, HI CB = -.9248
HI CAT, LO CB = 1.0523
HI CAT, HI CB = .8683

TEACHER ORGANIZES CLASSROOM AT BEGINNING OF YEAR BY ASSIGNING SEATS

CB VARIABLE 13 ID = 07113
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0553

DIFFERENCE = .0007 P = .5614

MODEL 2, ACH = CAT + CB R2 = .0545

DIFFERENCE = .0002 P = .7379

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0154

HI CB = 1.3513 LO CB = .0007

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8897
LO CAT, HI CB = -.9411
HI CAT, LO CB = .8989
HI CAT, HI CB = .9527

BY USING VISUAL AIDS; PASS OUT OR POST RULES; HAVE KIDS COPY THEM

CB VARIABLE 15 ID = 07115
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0644

DIFFERENCE = .0006 P = .6348

MODEL 2, ACH = CAT + CB R2 = .0538

DIFFERENCE = .0015 P = .3992

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0399

HI CB = 1.8488 LO CB = .8848

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7599
LO CAT, HI CB = -.9883
HI CAT, LO CB = .8548
HI CAT, HI CB = .9768

BEING STRICT, STERN AT FIRST; STAY DISTANT, LOOSEN UP LATER

CB VARIABLE 14 ID = 07114
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0607

DIFFERENCE = .0063 P = .0730

MODEL 2, ACH = CAT + CB R2 = .0543

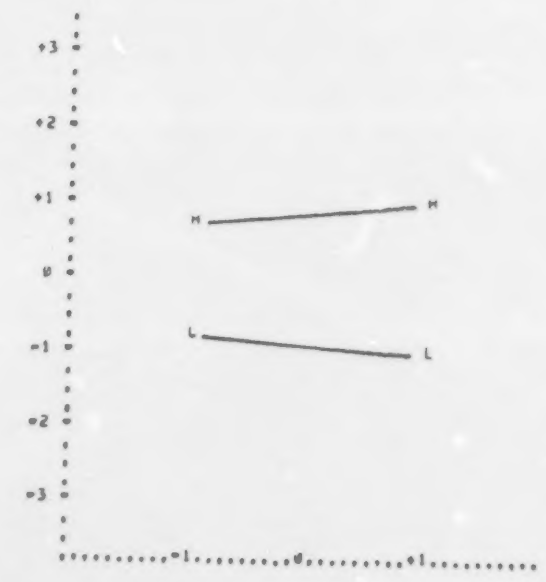
DIFFERENCE = .0000 P = .8971

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0058

HI CB = 2.0066 LO CB = 1.0067

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8884
LO CAT, HI CB = -.9839
HI CAT, LO CB = .8659
HI CAT, HI CB = 1.0100



ENFORCING RULES; DONT HESITATE TO PUNISH, MAKE EXAMPLE OF KID

CB VARIABLE 16 ID = 07116
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0589

DIFFERENCE = .0008 P = .9881

MODEL 2, ACH = CAT + CB R2 = .0589

DIFFERENCE = .0037 P = .1719

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0615

HI CB = 1.5266 LO CB = .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9914
LO CAT, HI CB = -.8768
HI CAT, LO CB = .8667
HI CAT, HI CB = 1.0861

ANNOUNCING RULES, AND THE CONSEQUENCES OF BREAKING THEM

CB VARIABLE 18 ID = 07118
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0607

DIFFERENCE = .0001 P = .8326

MODEL 2, ACH = CAT + CB R2 = .0606

DIFFERENCE = .0063 P = .0727

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0795

HI CB = 1.7865 LO CB = .8535

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0199
LO CAT, HI CB = -.8427
HI CAT, LO CB = .8681
HI CAT, HI CB = .9981

USING STUDENT INPUT TO ESTABLISH AND ENFORCE RULES

CB VARIABLE 17 ID = 07117
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0585

DIFFERENCE = .0001 P = .8115

MODEL 2, ACH = CAT + CB R2 = .0584

DIFFERENCE = .0040 P = .1528

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0647

HI CB = 1.6733 LO CB = .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8586
LO CAT, HI CB = -1.0174
HI CAT, LO CB = .9025
HI CAT, HI CB = .8768

TELLING EXPECTATIONS; RAP SESSIONS; LOW-KEY DISCUSSION WITH STUDENTS

CB VARIABLE 19 ID = 07119
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0594

DIFFERENCE = .0046 P = .1266

MODEL 2, ACH = CAT + CB R2 = .0547

DIFFERENCE = .0004 P = .6543

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0208

HI CB = 1.7486 LO CB = .8388

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9718
LO CAT, HI CB = -.8082
HI CAT, LO CB = 1.0071
HI CAT, HI CB = .8325

BUILDING STRUCTURE GRADUALLY, INFORMALLY; NO FORMAL PRESENTATION

CB VARIABLE 20 ID = 07120
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0578

DIFFERENCE = .0030 P = .2255

MODEL 2, ACH = CAT + CB R2 = .0548

DIFFERENCE = .0005 P = .6287

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0238

HI CB = 1.5266 LO CB = .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0170
LO CAT, HI CB = -.7628
HI CAT, LO CB = .9346
HI CAT, HI CB = .9154

BELIEVES CLASSROOM CONTROL METHODS HAVE BEEN SUCCESSFUL

CB VARIABLE 22 ID = 07122
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0524

DIFFERENCE = .0008 P = .9237

MODEL 2, ACH = CAT + CB R2 = .0524

DIFFERENCE = .0048 P = .1689

MODEL 3, ACH = CAT R2 = .0484

BETA FOR CB IN MODEL 2 = .0636

HI CB = 3.2503 LO CB = 2.2848

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9881
LO CAT, HI CB = -.8497
HI CAT, LO CB = .8571
HI CAT, HI CB = .9739

OTHER METHODS TO ORGANIZE CLASSROOM CONTROL AT FIRST OF YEAR

CB VARIABLE 21 ID = 07121
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0619

DIFFERENCE = .0002 P = .1497

MODEL 2, ACH = CAT + CB R2 = .0576

DIFFERENCE = .0033 P = .1968

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0576

HI CB = 1.6888 LO CB = .8888

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9199
LO CAT, HI CB = -.9378
HI CAT, LO CB = .8029
HI CAT, HI CB = 1.0682

OTHER CONTROL METHODS SHE MIGHT TRY; NONE, SATISFIED WITH PRESENT SYSTEM

CB VARIABLE 23 ID = 07123
NUMBER OF VALID SCORES = 69

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0583

DIFFERENCE = .0002 P = .7040

MODEL 2, ACH = CAT + CB R2 = .0581

DIFFERENCE = .0029 P = .2521

MODEL 3, ACH = CAT R2 = .0552

BETA FOR CB IN MODEL 2 = -.0542

HI CB = 1.7221 LO CB = .8287

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8868
LO CAT, HI CB = -.9777
HI CAT, LO CB = .9555
HI CAT, HI CB = .8777

MIGHT TRY FIRMER, STRICTER ENFORCEMENT; BE MORE CONSISTENT, FOLLOW THROUGH

```
CB VARIABLE 24       ID = 07124
NUMBER OF VALID SCORES =    69

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0602

   DIFFERENCE =   .0047   P =   .1404

MODEL 2, ACH = CAT + CB             R2 =   .0555

   DIFFERENCE =   .0002   P =   .7412

MODEL 3, ACH = CAT                  R2 =   .0552

BETA FOR CB IN MODEL 2 =  -.0156

HI CB =    1.0978   LO CB =     .7929

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8478
   LO CAT, HI CB =    -.9886
   HI CAT, LO CB =     .8598
   HI CAT, HI CB =    1.0081
```

TRY LETTING STUDENTS HELP MAKE, ENFORCE RULES, PUNISHMENTS

```
CB VARIABLE 26       ID = 07126
NUMBER OF VALID SCORES =    69

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0699

   DIFFERENCE =   .0038   P =   .1785

MODEL 2, ACH = CAT + CB             R2 =   .0661

   DIFFERENCE =   .0109   P =   .0223

MODEL 3, ACH = CAT                  R2 =   .0552

BETA FOR CB IN MODEL 2 =  -.1004

HI CB =    1.5529   LO CB =     .7949

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.7596
   LO CAT, HI CB =   -1.0898
   HI CAT, LO CB =     .9696
   HI CAT, HI CB =     .8768
```


MIGHT TRY REALITY THERAPY, BEHAVIOR CONTRACTS, BEHAVIOR MOD

```
CB VARIABLE 25       ID = 07125
NUMBER OF VALID SCORES =    69

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0641

   DIFFERENCE =   .0078   P =   .0670

MODEL 2, ACH = CAT + CB             R2 =   .0571

   DIFFERENCE =   .0019   P =   .3581

MODEL 3, ACH = CAT                  R2 =   .0552

BETA FOR CB IN MODEL 2 =   .0441

HI CB =    1.6773   LO CB =     .8155

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -1.0522
   LO CAT, HI CB =    -.8599
   HI CAT, LO CB =     .9416
   HI CAT, HI CB =     .8687
```

OTHER: OPEN TO NEW IDEAS; MORE PARENT CONTACT; GROUPING

```
CB VARIABLE 27       ID = 07127
NUMBER OF VALID SCORES =    69

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0623

   DIFFERENCE =   .0055   P =   .1286

MODEL 2, ACH = CAT + CB             R2 =   .0569

   DIFFERENCE =   .0016   P =   .3933

MODEL 3, ACH = CAT                  R2 =   .0552

BETA FOR CB IN MODEL 2 =   .0405

HI CB =    1.7645   LO CB =     .8442

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -1.0294
   LO CAT, HI CB =    -.7684
   HI CAT, LO CB =     .9478
   HI CAT, HI CB =     .8768
```

STUDENTS CAN MOVE TO ANOTHER SEAT IF THEY WANT

CB VARIABLE 28 ID = 07128
NUMBER OF VALID SCORES = 71

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8483

DIFFERENCE = .0000 P = .9212

MODEL 2, ACH = CAT + CB R2 = .8483

DIFFERENCE = .0001 P = .8268

MODEL 3, ACH = CAT R2 = .8482

BETA FOR CB IN MODEL 2 = .0102

HI CB = 2.7954 LO CB = 1.4299

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9281
LO CAT, HI CB = -.9136
HI CAT, LO CB = .9058
HI CAT, HI CB = .9363

CONFUSION, DISRUPTION RESULTS FROM FLEXIBLE SEATS; FIXED CONTROLS THIS

CB VARIABLE 30 ID = 07130
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8549

DIFFERENCE = .0000 P = .9333

MODEL 2, ACH = CAT + CB R2 = .8548

DIFFERENCE = .0031 P = .2220

MODEL 3, ACH = CAT R2 = .8517

BETA FOR CB IN MODEL 2 = -.0563

HI CB = 1.6895 LO CB = .8814

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8782
LO CAT, HI CB = -.9083
HI CAT, LO CB = .9831
HI CAT, HI CB = .8757

PROS AND CONS OF FIXED VS. FLEXIBLE SEATING:
TALKING IS A PROBLEM W/FLEXIBLE SEATS; FIXED SEATS STOPS THIS

CB VARIABLE 29 ID = 07129
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8520

DIFFERENCE = .0003 P = .7261

MODEL 2, ACH = CAT + CB R2 = .8517

DIFFERENCE = .0000 P = .9541

MODEL 3, ACH = CAT R2 = .8517

BETA FOR CB IN MODEL 2 = -.0026

HI CB = 2.0261 LO CB = 1.0219

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8996
LO CAT, HI CB = -.9385
HI CAT, LO CB = .9063
HI CAT, HI CB = .9349

CONTROL, DISCIPLINE HARDER W/FLEXIBLE SEATS; EASIER W/FIXED SEATS

CB VARIABLE 31 ID = 07131
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8563

DIFFERENCE = .0028 P = .2487

MODEL 2, ACH = CAT + CB R2 = .8535

DIFFERENCE = .0018 P = .3573

MODEL 3, ACH = CAT R2 = .8517

BETA FOR CB IN MODEL 2 = .0427

HI CB = 1.7602 LO CB = .8425

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.8181
LO CAT, HI CB = -.7985
HI CAT, LO CB = .9236
HI CAT, HI CB = .8935

LEARNING NAMES, CALLING ROLL HARDER W/FLEX,; BETTER ORGANIZATION W/FIXED

CB VARIABLE 32 ID = 07132
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0522

DIFFERENCE = .0004 P = .6771

MODEL 2, ACH = CAT + CB R2 = .0518

DIFFERENCE = .0001 P = .8308

MODEL 3, ACH = CAT R2 = .0517

BETA FOR CB IN MODEL 2 = .0095

HI CB = 1.4808 LO CB = .7932

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9137
LO CAT, HI CB = -.9345
HI CAT, LO CB = .8931
HI CAT, HI CB = .9575

STUDENTS HAPPY, COMFORTABLE W/FLEXIBLE; FEEL STIFLED, BORED W/FIXED SEATS

CB VARIABLE 36 ID = 07134
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0542

DIFFERENCE = .0000 P = .9822

MODEL 2, ACH = CAT + CB R2 = .0542

DIFFERENCE = .0025 P = .2758

MODEL 3, ACH = CAT R2 = .0517

BETA FOR CB IN MODEL 2 = -.0511

HI CB = 1.9646 LO CB = .9669

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8810
LO CAT, HI CB = -.9841
HI CAT, LO CB = .9827
HI CAT, HI CB = .8819

SUBST. TEACHER HAS MORE TROUBLE W/FLEXIBLE SEATS; FIXED EASIER FOR HER

CB VARIABLE 33 ID = 07133
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0544

DIFFERENCE = .0003 P = .6982

MODEL 2, ACH = CAT + CB R2 = .0540

DIFFERENCE = .0023 P = .2958

MODEL 3, ACH = CAT R2 = .0517

BETA FOR CB IN MODEL 2 = -.0492

HI CB = 1.4228 LO CB = .7972

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8517
LO CAT, HI CB = -.9784
HI CAT, LO CB = .9355
HI CAT, HI CB = .9883

CLIMATE FORM W/FLEXIBLE SEATS; FIXED BREAKS THEM UP

CB VARIABLE 3[illegible] ID = 07135
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0587

DIFFERENCE = .0035 P = .1913

MODEL 2, ACH = CAT + CB R2 = .0552

DIFFERENCE = .0034 P = .1992

MODEL 3, ACH = CAT R2 = .0517

BETA FOR CB IN MODEL 2 = -.0589

HI CB = 1.5607 LO CB = .7955

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9363
LO CAT, HI CB = -.9349
HI CAT, LO CB = 1.0492
HI CAT, HI CB = .8445

OTHER PROS AND CONS OF FLEXIBLE AND FIXED SEATS

```
CB VARIABLE 36      ID = 07136
NUMBER OF VALID SCORES =    73

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .0522

   DIFFERENCE =   .0003   P =   .7899

MODEL 2, ACH = CAT + CB            R2 =   .0519

   DIFFERENCE =   .0001   P =   .7888

MODEL 3, ACH = CAT                 R2 =   .0517

BETA FOR CB IN MODEL 2 =   .0122

HI CB =    1.0329   LO CB =     .8055

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9184
   LO CAT, HI CB =    -.9288
   HI CAT, LO CB =     .8935
   HI CAT, HI CB =     .9543
```

BELIEVES MAXIMAL LEARNING OCCURS WITH FIXED SEATS

```
CB VARIABLE 37      ID = 07137
NUMBER OF VALID SCORES =    26

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .0664

   DIFFERENCE =   .0105   P =   .1994

MODEL 2, ACH = CAT + CB            R2 =   .0559

   DIFFERENCE =   .0001   P =   .9182

MODEL 3, ACH = CAT                 R2 =   .0558

BETA FOR CB IN MODEL 2 =  -.0080

HI CB =    1.0521   LO CB =     .8894

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -1.0561
   LO CAT, HI CB =    -.5557
   HI CAT, LO CB =    1.0297
   HI CAT, HI CB =     .7805
```


BELIEVES PERSONAL DEVELOPMENT, PEER RELATION FAVOR FIXED SEATS

```
CB VARIABLE 38      ID = 07138
NUMBER OF VALID SCORES =    21

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .0185

   DIFFERENCE =   .0000   P =   .9715

MODEL 2, ACH = CAT + CB            R2 =   .0185

   DIFFERENCE =   .0023   P =   .6468

MODEL 3, ACH = CAT                 R2 =   .0163

BETA FOR CB IN MODEL 2 =   .0475

HI CB =    2.0232   LO CB =    1.0204

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9547
   LO CAT, HI CB =    -.8533
   HI CAT, LO CB =     .8597
   HI CAT, HI CB =     .9481
```

TEACHER PROVIDES THE FOLLOWING FOR SUBSTITUTE TEACHERS:
SUBSTITUTE GETS LESSON PLANS, REGULARY SCHEDULED MATERIAL, ASSIGNMENT

```
CB VARIABLE 39      ID = 07139
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .0621

   DIFFERENCE =   .0016   P =   .3646

MODEL 2, ACH = CAT + CB            R2 =   .0605

   DIFFERENCE =   .0062   P =   .0746

MODEL 3, ACH = CAT                 R2 =   .0543

BETA FOR CB IN MODEL 2 =  -.0787

HI CB =    2.1755   LO CB =    1.2911

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.7998
   LO CAT, HI CB =   -1.0412
   HI CAT, LO CB =     .9607
   HI CAT, HI CB =     .8036
```

GETS SPECIAL LESSON PLANS DRILL, BUSY WORK, REVIEW, TEST, READING ASSIGN.

CB VARIABLE 48 ID = 07148
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8556

DIFFERENCE = .0003 P = .7820

MODEL 2, ACH = CAT + CB R2 = .8553

DIFFERENCE = .0010 P = .4821

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0331

HI CB = 1.9369 LO CB = .9436

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9981
LO CAT, HI CB = -.8886
HI CAT, LO CB = .9161
HI CAT, HI CB = .9465

GETS BEATING CHART, CLASS ROLL

CB VARIABLE 42 ID = 07142
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8641

DIFFERENCE = .0063 P = .0696

MODEL 2, ACH = CAT + CB R2 = .8578

DIFFERENCE = .0035 P = .1865

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0698

HI CB = 1.7889 LO CB = .0245

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.8615
LO CAT, HI CB = -.5993
HI CAT, LO CB = .9167
HI CAT, HI CB = .8076

GETS GENERAL INFORMATION: RULES, BELL SCHEDULE, MATERIALS, FORMS

CB VARIABLE 41 ID = 07101
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8554

DIFFERENCE = .0001 P = .7985

MODEL 2, ACH = CAT + CB R2 = .8553

DIFFERENCE = .0010 P = .4963

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0314

HI CB = 1.6853 LO CB = .0884

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9632
LO CAT, HI CB = -.8729
HI CAT, LO CB = .8992
HI CAT, HI CB = .9431

GETS NOTES ON RELIABLE AND PROBLEM STUDENTS

CB VARIABLE 43 ID = 07143
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8556

DIFFERENCE = .0007 P = .5616

MODEL 2, ACH = CAT + CB R2 = .8549

DIFFERENCE = .0006 P = .6893

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0239

HI CB = 1.6453 LO CB = .0889

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9368
LO CAT, HI CB = -.8787
HI CAT, LO CB = .9749
HI CAT, HI CB = .8717

MENTIONS LIMITATIONS OF SUBS; WONT LET THEM DO SOME THINGS

CB VARIABLE 04 ID = 07104
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0608

DIFFERENCE = .0043 P = .1398

MODEL 2, ACH = CAT + CB R2 = .0556

DIFFERENCE = .0013 P = .4259

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0304

HI CB = 1.3513 LO CB = .0887

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9685
LO CAT, HI CB = -.8785
HI CAT, LO CB = 1.0281
HI CAT, HI CB = .8190

OTHER THINGS PREPARED FOR SUBSTITUTE TEACHER: PUZZLES, GAMES, ETC.

CB VARIABLE 05 ID = 07105
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0548

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2, ACH = CAT + CB R2 = .0548

DIFFERENCE = .0005 P = .6161

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0248

HI CB = 1.4154 LO CB = .7988

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9072
LO CAT, HI CB = -.9553
HI CAT, LO CB = .9553
HI CAT, HI CB = .9072

TEACHER HAS PROBLEM W/STUDENTS WAVING HANDS, BLURTING OUT ANSWERS

CB VARIABLE 06 ID = 07106
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0578

DIFFERENCE = .0032 P = .2005

MODEL 2, ACH = CAT + CB R2 = .0545

DIFFERENCE = .0002 P = .7488

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0199

HI CB = 3.2339 LO CB = 1.0861

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8587
LO CAT, HI CB = -.9510
HI CAT, LO CB = .8891
HI CAT, HI CB = .9855

TEACHER HANDLES HAND-WAVING AND BLURTING OUT ANSWERS BY REPRIMAND, RESPOND NEGATIVELY, NON-VERBAL INTERVENTION

CB VARIABLE 07 ID = 07107
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0593

DIFFERENCE = .0005 P = .6232

MODEL 2, ACH = CAT + CB R2 = .0588

DIFFERENCE = .0045 P = .1288

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0674

HI CB = 1.3842 LO CB = .8026

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9640
LO CAT, HI CB = -.9112
HI CAT, LO CB = .8197
HI CAT, HI CB = 1.0646

TELLING THEM TO RAISE HAND, TO STOP, WAIT, TAKE TURNS

CB VARIABLE 48 ID = 07148
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8554

DIFFERENCE = .0003 P = .7131

MODEL 2, ACH = CAT + CB R2 = .8552

DIFFERENCE = .0009 P = .5238

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = *.0294

HI CB = 1.9706 LO CB = .9804

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = *.9137
LO CAT, HI CB = *.9392
HI CAT, LO CB = .9765
HI CAT, HI CB = .8843

IGNORING CALLED-OUT ANSWERS

CB VARIABLE 50 ID = 07150
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8559

DIFFERENCE = .0015 P = .4083

MODEL 2, ACH = CAT + CB R2 = .8544

DIFFERENCE = .0001 P = .8272

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0095

HI CB = 1.4858 LO CB = .7958

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = *.9834
LO CAT, HI CB = *.8123
HI CAT, LO CB = .9562
HI CAT, HI CB = .8698

EMPHASIZING GOOD MANNERS, RESPECT OTHERS, GIVE OTHERS A CHANCE

CB VARIABLE 49 ID = 07149
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8548

DIFFERENCE = .0005 P = .6305

MODEL 2, ACH = CAT + CB R2 = .8543

DIFFERENCE = .0000 P = .9722

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = *.0015

HI CB = 1.7678 LO CB = .8850

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = *.9467
LO CAT, HI CB = *.9118
HI CAT, LO CB = .9684
HI CAT, HI CB = .8965

SOMETIMES NOT CONSIDERED PROBLEM, INDICATES ENTHUSIASM, WHICH IS NICE

CB VARIABLE 51 ID = 07151
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8594

DIFFERENCE = .0019 P = .3367

MODEL 2, ACH = CAT + CB R2 = .8575

DIFFERENCE = .0032 P = .2021

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = *.0570

HI CB = 1.5763 LO CB = .7970

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = *.9189
LO CAT, HI CB = *.9556
HI CAT, LO CB = 1.0269
HI CAT, HI CB = .8335

NOT CONSIDERED A PROBLEM, OR DOESNT DEAL WITH IT; ACCEPTS ANSWER

```
CB VARIABLE 52      ID = 07152
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .8683

   DIFFERENCE =   .0018   P =   .3322

MODEL 2, ACH = CAT + CB            R2 =   .8665

   DIFFERENCE =   .0122   P =   .0119

MODEL 3, ACH = CAT                 R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.1126

HI CB =    1.5519   LO CB =     .7948

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.7833
   LO CAT, HI CB =   -1.1378
   HI CAT, LO CB =    1.0236
   HI CAT, HI CB =     .6680
```

TEACHER DEALS WITH STUDENTS WHO NEVER VOLUNTEER BY CALLING ON THEM; USING PATTERNED TURNS

```
CB VARIABLE 54      ID = 07154
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .8597

   DIFFERENCE =   .0045   P =   .1338

MODEL 2, ACH = CAT + CB            R2 =   .8553

   DIFFERENCE =   .0010   P =   .5803

MODEL 3, ACH = CAT                 R2 =   .8543

BETA FOR CB IN MODEL 2 =   .0311

HI CB =    1.9933   LO CB =     .9934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -1.0180
   LO CAT, HI CB =    -.8175
   HI CAT, LO CB =     .9687
   HI CAT, HI CB =     .8981
```


OTHER WAYS TO HANDLE CALLED-OUT ANSWERS

```
CB VARIABLE 53      ID = 07153
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .8578

   DIFFERENCE =   .0085   P =   .0134

MODEL 2, ACH = CAT + CB            R2 =   .8565

   DIFFERENCE =   .0022   P =   .3016

MODEL 3, ACH = CAT                 R2 =   .8543

BETA FOR CB IN MODEL 2 =   .0469

HI CB =    1.4154   LO CB =     .7089

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9598
   LO CAT, HI CB =    -.8977
   HI CAT, LO CB =     .8548
   HI CAT, HI CB =    1.0189
```

CALLING ON THEM IF SURE THEY KNOW; ASK EASY Q, TO AVOID EMBARRASSMENT

```
CB VARIABLE 55      ID = 07155
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .8561

   DIFFERENCE =   .0009   P =   .5114

MODEL 2, ACH = CAT + CB            R2 =   .8552

   DIFFERENCE =   .0009   P =   .5155

MODEL 3, ACH = CAT                 R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0298

HI CB =    1.7989   LO CB =     .8245

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9269
   LO CAT, HI CB =    -.9276
   HI CAT, LO CB =     .9866
   HI CAT, HI CB =     .8789
```

LEAVING THEM ALONE, ESPECIALLY IF TIRED, SHY; JUST GRADE WRITTEN WORK

```
CB VARIABLE 56       ID = 07156
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8554

   DIFFERENCE =   .0011   P =   .4752

MODEL 2, ACH = CAT + CB             R2 =   .8544

   DIFFERENCE =   .0001   P =   .8616

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =   .0076

HI CB =    1.6000   LO CB =     .8000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9604
   LO CAT, HI CB =    -.8642
   HI CAT, LO CB =     .9458
   HI CAT, HI CB =     .9886
```

OTHERS PUT WITH A SMART KID; PRAISE CORRECT PARTS OF ANSWERS

```
CB VARIABLE 58       ID = 07158
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8676

   DIFFERENCE =   .0085   P =   .0341

MODEL 2, ACH = CAT + CB             R2 =   .8591

   DIFFERENCE =   .0048   P =   .1177

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0693

HI CB =    1.4154   LO CB =     .7980

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.7611
   LO CAT, HI CB =   -1.0988
   HI CAT, LO CB =     .8953
   HI CAT, HI CB =     .9699
```

DRAWING THEM OUT; MORE ATTENTION; PRIVATE TALK; ASKING OPINION

```
CB VARIABLE 57       ID = 07157
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8563

   DIFFERENCE =   .0012   P =   .4418

MODEL 2, ACH = CAT + CB             R2 =   .8551

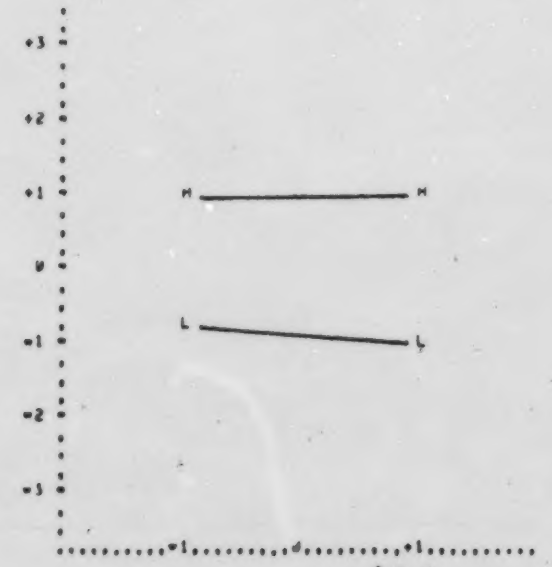
   DIFFERENCE =   .0008   P =   .5588

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0276

HI CB =    1.6071   LO CB =     .8129

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8572
   LO CAT, HI CB =    -.9712
   HI CAT, LO CB =     .9114
   HI CAT, HI CB =     .9361
```



IF A STUDENT WON'T RESPOND:
GO ON TO ANOTHER ANSWER

```
CB VARIABLE 59       ID = 07159
NUMBER OF VALID SCORES =    73

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =    .8695

   DIFFERENCE =    .0035    P =    .1776

MODEL 2, ACH = CAT + CB             R2 =    .8661

   DIFFERENCE =    .8856    P =    .8867

MODEL 3, ACH = CAT                  R2 =    .8660

BETA FOR CB IN MODEL 2 =   -.8767

HI CB =     1.5855   LO CB =      .7981

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =     -.7780
   LO CAT, HI CB =    -1.8894
   HI CAT, LO CB =      .9217
   HI CAT, HI CB =      .9180
```

GO ON TO ANOTHER, BUT CONTACT LATER FOR PRIVATE CONFERENCE

```
CB VARIABLE 60       ID = 07160
NUMBER OF VALID SCORES =    73

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =    .8636

   DIFFERENCE =    .0024    P =    .3219

MODEL 2, ACH = CAT + CB             R2 =    .8616

   DIFFERENCE =    .0012    P =    .4487

MODEL 3, ACH = CAT                  R2 =    .8604

BETA FOR CB IN MODEL 2 =    .0346

HI CB =     1.1558   LO CB =      .8075

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =     -.9538
   LO CAT, HI CB =     -.9174
   HI CAT, LO CB =      .8427
   HI CAT, HI CB =     1.0285
```


HAVE A PRIVATE CONFERENCE TO DISCUSS THE PROBLEM

```
CB VARIABLE 61       ID = 07161
NUMBER OF VALID SCORES =    73

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =    .8624

   DIFFERENCE =    .0015    P =    .3861

MODEL 2, ACH = CAT + CB             R2 =    .8608

   DIFFERENCE =    .0004    P =    .6579

MODEL 3, ACH = CAT                  R2 =    .8604

BETA FOR CB IN MODEL 2 =    .0281

HI CB =     1.0358   LO CB =      .8773

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =     -.9853
   LO CAT, HI CB =     -.8651
   HI CAT, LO CB =      .9441
   HI CAT, HI CB =      .9885
```

EVENTUALLY IGNORE, LEAVE ALONE, AFTER OTHER STRATEGIES FAIL

```
CB VARIABLE 62       ID = 07162
NUMBER OF VALID SCORES =    73

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8742

   DIFFERENCE =   .0103   P =   .8169

MODEL 2, ACH = CAT + CB             R2 =   .8639

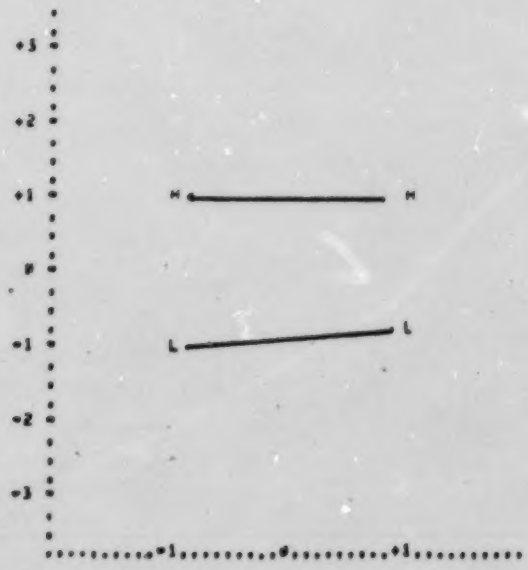
   DIFFERENCE =   .0035   P =   .1821

MODEL 3, ACH = CAT                  R2 =   .8604

BETA FOR CB IN MODEL 2 =   .0592

HI CB =    1.0555   LO CB =     .0102

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -1.0808
   LO CAT, HI CB =    -.7264
   HI CAT, LO CB =     .9599
   HI CAT, HI CB =     .8818
```



REPEAT, REPHRASE; GIVE TIME TO THINK; ASK LEADING QUESTION; STICK W/HIM

```
CB VARIABLE 63       ID = 07163
NUMBER OF VALID SCORES =    73

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8689

   DIFFERENCE =   .0002   P =   .7337

MODEL 2, ACH = CAT + CB             R2 =   .8687

   DIFFERENCE =   .0003   P =   .7226

MODEL 3, ACH = CAT                  R2 =   .8684

BETA FOR CB IN MODEL 2 =  -.0159

HI CB =    1.5855   LO CB =     .7981

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8988
   LO CAT, HI CB =    -.9622
   HI CAT, LO CB =     .9292
   HI CAT, HI CB =     .9277
```

AVOID EMBARASSING STUDENT; PUT HIM AT EASE

```
CB VARIABLE 64       ID = 07164
NUMBER OF VALID SCORES =    73

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8635

   DIFFERENCE =   .0030   P =   .2212

MODEL 2, ACH = CAT + CB             R2 =   .8605

   DIFFERENCE =   .0000   P =   .8798

MODEL 3, ACH = CAT                  R2 =   .8604

BETA FOR CB IN MODEL 2 =   .0069

HI CB =    1.5807   LO CB =     .7955

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8859
   LO CAT, HI CB =    -.9278
   HI CAT, LO CB =     .8549
   HI CAT, HI CB =    1.8226
```

NOT A PROBLEM, RARELY HAPPENS

CB VARIABLE 65 ID = 87165
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0612

DIFFERENCE = .0006 P = .5634

MODEL 2, ACH = CAT + CB R2 = .0606

DIFFERENCE = .0000 P = .9677

MODEL 3, ACH = CAT R2 = .0606

BETA FOR CB IN MODEL 2 = .0918

HI CB = 1.6220 LO CB = .7972

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0104
LO CAT, HI CB = -.7583
HI CAT, LO CB = .9359
HI CAT, HI CB = .9282

OTHER: HELPS TO COUNSELOR, OFFICE; PUT ON INDIVIDUAL OWN, ETC.

CB VARIABLE 66 ID = 87166
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0638

DIFFERENCE = .0030 P = .2224

MODEL 2, ACH = CAT + CB R2 = .0608

DIFFERENCE = .0004 P = .6735

MODEL 3, ACH = CAT R2 = .0604

BETA FOR CB IN MODEL 2 = -.0191

HI CB = 1.0170 LO CB = .8679

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9576
LO CAT, HI CB = -.8784
HI CAT, LO CB = .9968
HI CAT, HI CB = .8817

IF A STUDENT IS NOT PAYING ATTENTION:
CALL HIS NAME

CB VARIABLE 67 ID = 87167
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0662

DIFFERENCE = .0115 P = .0153

MODEL 2, ACH = CAT + CB R2 = .0548

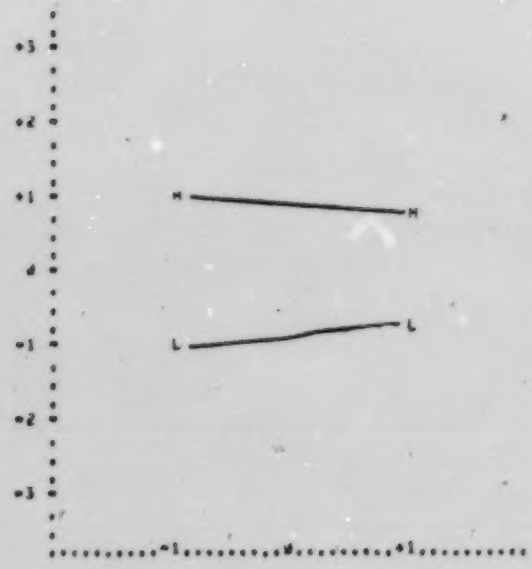
DIFFERENCE = .0000 P = .6481

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0212

HI CB = 1.0671 LO CB = .8129

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0093
LO CAT, HI CB = -.7318
HI CAT, LO CB = .9995
HI CAT, HI CB = .8183



CALL ON HIM, ASK HIM A QUESTION

CB VARIABLE 68 ID = 07168
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8578

DIFFERENCE = .0022 P = .3823

MODEL 2, ACH = CAT + CB R2 = .8548

DIFFERENCE = .0005 P = .6381

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0218

HI CB = 1.7484 LO CB = .8369

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9988
LO CAT, HI CB = -.8454
HI CAT, LO CB = .9465
HI CAT, HI CB = .8974

USE MANAGEMENT; TELL TO PAY ATTENTION, TO KNOCK IT OFF, TO GET TO WORK

CB VARIABLE 70 ID = 07170
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8561

DIFFERENCE = .0018 P = .3588

MODEL 2, ACH = CAT + CB R2 = .8543

DIFFERENCE = .0000 P = .9475

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0029

HI CB = 1.6671 LO CB = .8129

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8799
LO CAT, HI CB = -.9689
HI CAT, LO CB = .8834
HI CAT, HI CB = .9762

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REPRIMAND, CALL DOWN, THREATEN, SCOLD, CRITICIZE, EPIGRAMADS, PUNISH

CB VARIABLE 69 ID = 07169
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8569

DIFFERENCE = .0023 P = .2965

MODEL 2, ACH = CAT + CB R2 = .8546

DIFFERENCE = .0003 P = .7836

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0173

HI CB = 1.7089 LO CB = .8245

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8575
LO CAT, HI CB = -.9784
HI CAT, LO CB = .8928
HI CAT, HI CB = .9575

USE NON-VERBAL INTERVENTION

CB VARIABLE 71 ID = 07171
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8551

DIFFERENCE = .0002 P = .7328

MODEL 2, ACH = CAT + CB R2 = .8548

DIFFERENCE = .0005 P = .6157

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0232

HI CB = 1.6883 LO CB = .8184

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9291
LO CAT, HI CB = -.9356
HI CAT, LO CB = .8851
HI CAT, HI CB = .9693

TALK PRIVATELY, FIND OUT WHY; DISCUSS PROBLEM WITH THE STUDENT

CB VARIABLE 72 ID # 07172
NUMBER OF VALID SCORES # 75

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .0561

DIFFERENCE # .0001 P # .8569

MODEL 2, ACH # CAT + CB R2 # .0560

DIFFERENCE # .0017 P # .3616

MODEL 3, ACH # CAT R2 # .0543

BETA FOR CB IN MODEL 2 # -.0418

HI CB # 1.6238 LO CB # .8037

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # -.8844
LO CAT, HI CB # -.9551
HI CAT, LO CB # .9688
HI CAT, HI CB # .8659

SEEK OUTSIDE HELP; PARENT, COUNSELOR, OFFICE

CB VARIABLE 73 ID # 07173
NUMBER OF VALID SCORES # 75

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .0574

DIFFERENCE # .0018 P # .3451

MODEL 2, ACH # CAT + CB R2 # .0552

DIFFERENCE # .0009 P # .5132

MODEL 3, ACH # CAT R2 # .0543

BETA FOR CB IN MODEL 2 # .0300

HI CB # 1.2788 LO CB # .6284

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # -1.0829
LO CAT, HI CB # -.6946
HI CAT, LO CB # 1.0845
HI CAT, HI CB # .6947

DO NOTHING, LEAVE ALONE, ESPECIALLY IF NON-DISRUPTIVE, TIRED, UPSET

CB VARIABLE 74 ID # 07174
NUMBER OF VALID SCORES # 75

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .0798

DIFFERENCE # .0265 P # .0006

MODEL 2, ACH # CAT + CB R2 # .0546

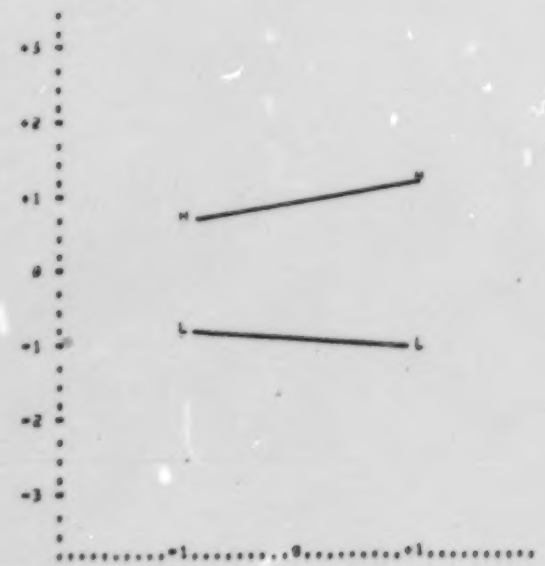
DIFFERENCE # .0003 P # .7163

MODEL 3, ACH # CAT R2 # .0543

BETA FOR CB IN MODEL 2 # .0178

HI CB # 1.6238 LO CB # .8037

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # -.8083
LO CAT, HI CB # -.9713
HI CAT, LO CB # .7327
HI CAT, HI CB # 1.2080



OTHER: VARY ACTIVITIES TO KEEP INTEREST; CALL CLASS TO ATTENTION, ETC.

```
CB VARIABLE 75       ID = 07175
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0647

   DIFFERENCE =   .0069    P =   .0586

MODEL 2, ACH = CAT + CB             R2 =   .0578

   DIFFERENCE =   .0035    P =   .1852

MODEL 3, ACH = CAT                  R2 =   .0543

BETA FOR CB IN MODEL 2 =   .0594

HI CB =    1.0067   LO CB =     .0619

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -1.0699
   LO CAT, HI CB =    -.7287
   HI CAT, LO CB =     .9332
   HI CAT, HI CB =     .8884
```

TEACHER BELIEVES CAUSES OF ALIENATION OR LACK OF MOTIVATION ARE LANGUAGE, CULTURE, RACE, MINORITIES

```
CB VARIABLE 76       ID = 07176
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0545

   DIFFERENCE =   .0001    P =   .8016

MODEL 2, ACH = CAT + CB             R2 =   .0543

   DIFFERENCE =   .0000    P =   .8868

MODEL 3, ACH = CAT                  R2 =   .0543

BETA FOR CB IN MODEL 2 =  -.0062

HI CB =    1.7089   LO CB =     .0265

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9845
   LO CAT, HI CB =    -.9356
   HI CAT, LO CB =     .9172
   HI CAT, HI CB =     .9269
```

CONSISTENT FAILURE, REPEATERS (OLDER STUDENTS)

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CB VARIABLE 77       ID = 07177
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0564

   DIFFERENCE =   .0018    P =   .3495

MODEL 2, ACH = CAT + CB             R2 =   .0546

   DIFFERENCE =   .0003    P =   .6922

MODEL 3, ACH = CAT                  R2 =   .0543

BETA FOR CB IN MODEL 2 =   .0181

HI CB =    1.6453   LO CB =     .0808

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9829
   LO CAT, HI CB =    -.9423
   HI CAT, LO CB =     .8642
   HI CAT, HI CB =     .9967
```

POOR SELF-CONCEPT, LACK OF CONFIDENCE, FEAR OF FAILURE

CB VARIABLE 78 ID = 07178
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0635

DIFFERENCE = .0091 P = .0389

MODEL 2, ACH = CAT + CB R2 = .0548

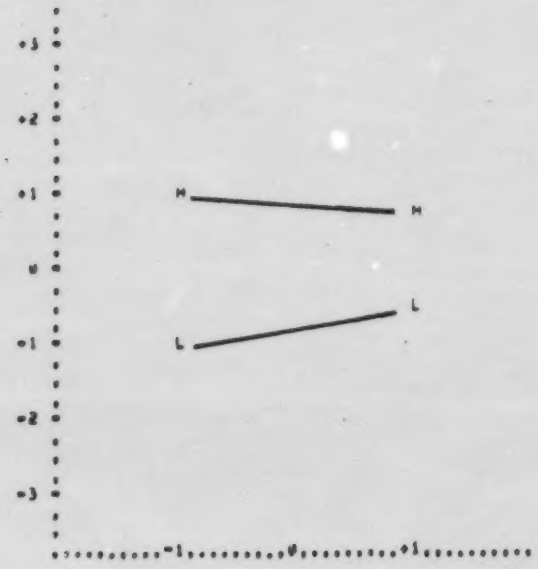
DIFFERENCE = .0001 P = .0611

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0078

HI CB = 1.0671 LO CB = .0129

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0421
LO CAT, HI CB = -.6807
HI CAT, LO CB = 1.0859
HI CAT, HI CB = .7978



LACK OF ABILITY OR BASIC SKILLS TOO FAR BEHIND; LOW ACHIEVERS

CB VARIABLE 79 ID = 07179
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0557

DIFFERENCE = .0002 P = .7393

MODEL 2, ACH = CAT + CB R2 = .0554

DIFFERENCE = .0011 P = .4636

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0335

HI CB = 2.0679 LO CB = 1.0787

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9815
LO CAT, HI CB = -.9391
HI CAT, LO CB = .9692
HI CAT, HI CB = .8724

INAPPROPRIATE, IRRELEVANT MATERIALS

CB VARIABLE 80 ID = 07180
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8654

DIFFERENCE = .0109 P = .0183

MODEL 2, ACH = CAT + CB R2 = .8545

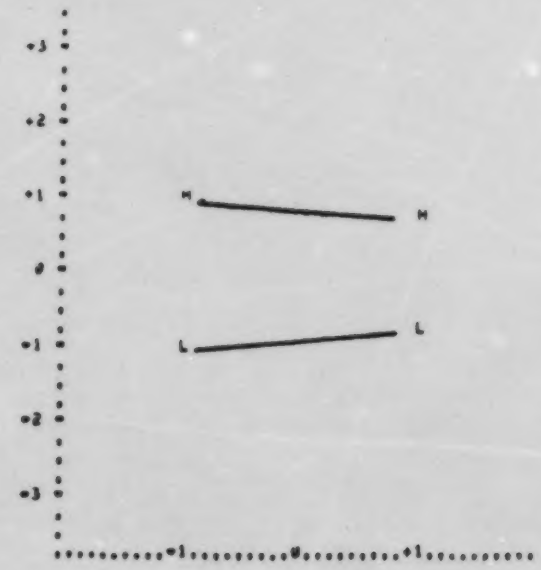
DIFFERENCE = .0002 P = .7602

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0136

HI CB = 1.4154 LO CB = .7988

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0276
LO CAT, HI CB = -.7688
HI CAT, LO CB = 1.0648
HI CAT, HI CB = .7221



EMOTIONAL-PERSONAL ADJUSTMENT PROBLEMS, PHYSICAL DISABILITY, ETC.

CB VARIABLE 81 ID = 07181
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8578

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2, ACH = CAT + CB R2 = .8578

DIFFERENCE = .0027 P = .2468

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0521

HI CB = 1.5004 LO CB = .7929

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8682
LO CAT, HI CB = -.9724
HI CAT, LO CB = .9724
HI CAT, HI CB = .8682

HOME PROBLEMS, FAMILY FILE, HOME ENVIRONMENT

CB VARIABLE 82 ID = 07182
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8645

DIFFERENCE = .0004 P = .6585

MODEL 2, ACH = CAT + CB R2 = .8641

DIFFERENCE = .0098 P = .0243

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0993

HI CB = 1.7486 LO CB = .8380

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0187
LO CAT, HI CB = -.8676
HI CAT, LO CB = .8129
HI CAT, HI CB = 1.0526

LACK OF PARENTAL INTEREST, ENCOURAGEMENT, OR GOOD EXAMPLE

CB VARIABLE 83 ID = 07183
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8596

DIFFERENCE = .0027 P = .2476

MODEL 2, ACH = CAT + CB R2 = .8569

DIFFERENCE = .0026 P = .2520

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0520

HI CB = 1.0453 LO CB = .0880

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0237
LO CAT, HI CB = -.8088
HI CAT, LO CB = .9163
HI CAT, HI CB = .9395

PEER PROBLEMS, NO FRIENDS

CB VARIABLE 84 ID = 07184
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8585

DIFFERENCE = .0025 P = .2657

MODEL 2, ACH = CAT + CB R2 = .8560

DIFFERENCE = .0017 P = .3641

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0812

HI CB = 1.0050 LO CB = .7958

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9256
LO CAT, HI CB = -.9277
HI CAT, LO CB = 1.0168
HI CAT, HI CB = .8230

SOCIAL INVOLVEMENT WITH PEERS, OPPOSITE SEX

CB VARIABLE 85 ID = 07185
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8598

DIFFERENCE = .0013 P = .4248

MODEL 2, ACH = CAT + CB R2 = .8577

DIFFERENCE = .0034 P = .1936

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0588

HI CB = 1.5266 LO CB = .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9478
LO CAT, HI CB = -.8959
HI CAT, LO CB = .8381
HI CAT, HI CB = 1.0149

LACK OF INTEREST; DONT VALUE EDUCATION; BORED, DONT CARE

CB VARIABLE 86 ID = 07186
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8601

DIFFERENCE = .0016 P = .3818

MODEL 2, ACH = CAT + CB R2 = .8585

DIFFERENCE = .0002 P = .7779

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0126

HI CB = 1.0899 LO CB = .9101

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8784
LO CAT, HI CB = -.9755
HI CAT, LO CB = .8925
HI CAT, HI CB = .9489

BEING ANTI-AUTHORITY, DISRUPTIVE; HATE TEACHER; BELLIGERENT

CB VARIABLE 87 ID = 87187
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0639

DIFFERENCE = .0006 P = .0365

MODEL 2, ACH = CAT + CB R2 = .0544

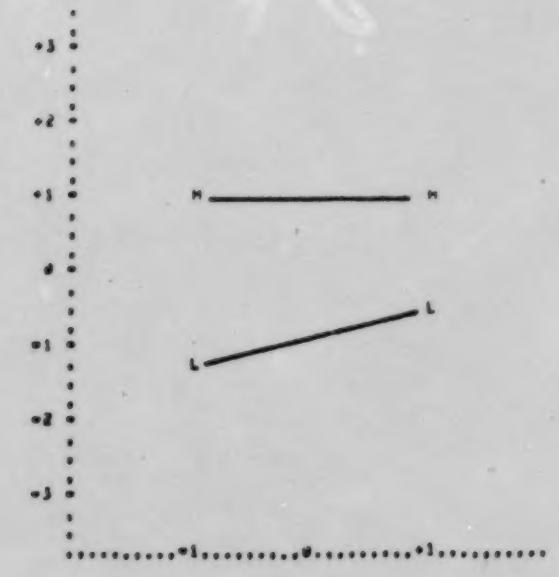
DIFFERENCE = .0001 P = .0208

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0105

HI CB = 1.0733 LO CB = .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.1535
LO CAT, HI CB = -.8525
HI CAT, LO CB = .9581
HI CAT, HI CB = .8969



TEACHERS FAULT; FAIL TO MOTIVATE; GIVE BAD SELF-IMAGE; NOT WORK W/THEM

CB VARIABLE 88 ID = 87188
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0566

DIFFERENCE = .0022 P = .2961

MODEL 2, ACH = CAT + CB R2 = .0544

DIFFERENCE = .0001 P = .0393

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0089

HI CB = 1.5004 LO CB = .7929

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9789
LO CAT, HI CB = -.8667
HI CAT, LO CB = .9756
HI CAT, HI CB = .8883

OTHER; DRUGS; ABSENCE; BUSING, ETC.

CB VARIABLE 89 ID = 87189
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0575

DIFFERENCE = .0018 P = .3440

MODEL 2, ACH = CAT + CB R2 = .0557

DIFFERENCE = .0014 P = .0129

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0375

HI CB = 1.0847 LO CB = .8619

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8551
LO CAT, HI CB = -1.0469
HI CAT, LO CB = .9386
HI CAT, HI CB = .9465

IF A STUDENT WON'T DO HIS ASSIGNMENT:
NAG, THREATEN, FUSS, KEEP AT THEM, PRAISE

CB VARIABLE 90 ID = 07190
NUMBER OF VALID SCORES = 67

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8596

DIFFERENCE = .0011 P = .4957

MODEL 2, ACH = CAT + CB R2 = .8585

DIFFERENCE = .0016 P = .4832

MODEL 3, ACH = CAT R2 = .8569

BETA FOR CB IN MODEL 2 = -.0483

HI CB = 1.5625 LO CB = .7957

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8673
LO CAT, HI CB = -.9750
HI CAT, LO CB = .9242
HI CAT, HI CB = .9131

HAVE CONFERENCE WITH STUDENT TO DISCUSS PROBLEM

CB VARIABLE 92 ID = 07192
NUMBER OF VALID SCORES = 67

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8667

DIFFERENCE = .0042 P = .1625

MODEL 2, ACH = CAT + CB R2 = .8625

DIFFERENCE = .0057 P = .1057

MODEL 3, ACH = CAT R2 = .8569

BETA FOR CB IN MODEL 2 = -.0753

HI CB = 2.0875 LO CB = 1.1065

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9188
LO CAT, HI CB = -.9378
HI CAT, LO CB = 1.0715
HI CAT, HI CB = .7988

ADJUST MATERIALS, ACTIVITIES TO HIS ABILITY, INTEREST, BUILD FROM THERE

CB VARIABLE 91 ID = 07191
NUMBER OF VALID SCORES = 67

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8611

DIFFERENCE = .0041 P = .1727

MODEL 2, ACH = CAT + CB R2 = .8569

DIFFERENCE = .0001 P = .8766

MODEL 3, ACH = CAT R2 = .8569

BETA FOR CB IN MODEL 2 = -.0072

HI CB = 1.5056 LO CB = .7929

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0042
LO CAT, HI CB = -.7712
HI CAT, LO CB = 1.0052
HI CAT, HI CB = .7914

GIVE EXTRA ATTENTION, HELP AFTER OR IN CLASS; MOVE NEAT TO TEACHER

CB VARIABLE 93 ID = 07193
NUMBER OF VALID SCORES = 67

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8628

DIFFERENCE = .0026 P = .2779

MODEL 2, ACH = CAT + CB R2 = .8602

DIFFERENCE = .0034 P = .2174

MODEL 3, ACH = CAT R2 = .8569

BETA FOR CB IN MODEL 2 = .0581

HI CB = 1.3751 LO CB = .8048

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0598
LO CAT, HI CB = -.7368
HI CAT, LO CB = .9136
HI CAT, HI CB = .9093

CONTACT PARENTS

CB VARIABLE 98 ID # 87196
NUMBER OF VALID SCORES # 67

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .8573

DIFFERENCE # .0000 P # .9848

MODEL 2, ACH # CAT + CB R2 # .8573

DIFFERENCE # .0004 P # .6816

MODEL 3, ACH # CAT R2 # .8569

BETA FOR CB IN MODEL 2 # -.0197

HI CB # 1.0925 LO CB # .9926

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # -.9187
LO CAT, HI CB # -.9396
HI CAT, LO CB # .9583
HI CAT, HI CB # .9805

REFER TO COUNSELOR, OFFICE; CONFERENCE W/COUNSELOR AND/OR PARENTS

CB VARIABLE 95 ID # 87195
NUMBER OF VALID SCORES # 67

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .8659

DIFFERENCE # .0089 P # .0423

MODEL 2, ACH # CAT + CB R2 # .8569

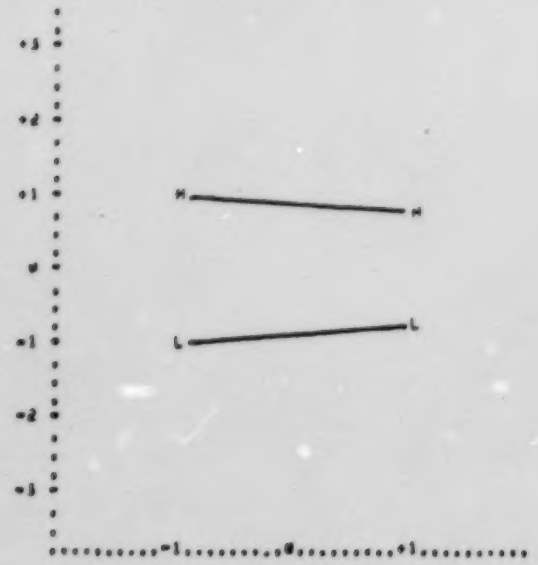
DIFFERENCE # .0000 P # .8772

MODEL 3, ACH # CAT R2 # .8569

BETA FOR CB IN MODEL 2 # -.0078

HI CB # 1.0889 LO CB # .9186

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # -1.0863
LO CAT, HI CB # -.7933
HI CAT, LO CB # 1.0295
HI CAT, HI CB # .7788



FAIL THEM, FORGET THEM, DO NOTHING--NO OTHER RESPONSE GIVEN

```
CB VARIABLE 96       ID = 07196
NUMBER OF VALID SCORES =    67

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8683

   DIFFERENCE =   .0028   P =   .2629

MODEL 2, ACH = CAT + CB             R2 =   .8575

   DIFFERENCE =   .0006   P =   .6223

MODEL 3, ACH = CAT                  R2 =   .8569

BETA FOR CB IN MODEL 2 =   .0252

HI CB =    1.4184   LO CB =     .7986

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -1.1036
   LO CAT, HI CB =    -.5861
   HI CAT, LO CB =     .9044
   HI CAT, HI CB =     .9453
```

FAIL THEM, FORGET THEM AFTER OTHER STRATEGIES FAIL

```
CB VARIABLE 97       ID = 07197
NUMBER OF VALID SCORES =    67

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8626

   DIFFERENCE =   .0029   P =   .2486

MODEL 2, ACH = CAT + CB             R2 =   .8596

   DIFFERENCE =   .0027   P =   .2674

MODEL 3, ACH = CAT                  R2 =   .8569

BETA FOR CB IN MODEL 2 =  -.0529

HI CB =    1.6889   LO CB =     .8186

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8377
   LO CAT, HI CB =   -1.0019
   HI CAT, LO CB =     .9131
   HI CAT, HI CB =     .9273
```


DISCUSS THE PROBLEM WITH COUNSELOR OR OTHER TEACHERS

```
CB VARIABLE 98       ID = 07198
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8577

   DIFFERENCE =   .0029   P =   .2293

MODEL 2, ACH = CAT + CB             R2 =   .8548

   DIFFERENCE =   .0005   P =   .6286

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0222

HI CB =    1.6154   LO CB =     .7984

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9653
   LO CAT, HI CB =    -.8655
   HI CAT, LO CB =     .9996
   HI CAT, HI CB =     .8835
```

OTHER: ASSIGN DETENTION, GUARD RELATIONSHIP WITH STUDENT, ETC.

```
CB VARIABLE 99       ID = 07199
NUMBER OF VALID SCORES =    67

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8599

   DIFFERENCE =   .0012   P =   .4755

MODEL 2, ACH = CAT + CB             R2 =   .8587

   DIFFERENCE =   .0018   P =   .3751

MODEL 3, ACH = CAT                  R2 =   .8569

BETA FOR CB IN MODEL 2 =  -.0423

HI CB =    1.5625   LO CB =     .7957

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8487
   LO CAT, HI CB =   -1.0178
   HI CAT, LO CB =     .9324
   HI CAT, HI CB =     .9366
```

HAS STEP-BY-STEP PROCESS FOR COPING WITH STUDENTS WHO DONT DO ASSIGNMENT

CB VARIABLE100 ID = 07200
NUMBER OF VALID SCORES = 67

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8646

DIFFERENCE = .0077 P = .8596

MODEL 2, ACH = CAT + CB R2 = .8569

DIFFERENCE = .0000 P = .9898

MODEL 3, ACH = CAT R2 = .8569

BETA FOR CB IN MODEL 2 = -.0004

HI CB = 1.9925 LO CB = .9926

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9717
LO CAT, HI CB = -.7542
HI CAT, LO CB = 1.0026
HI CAT, HI CB = .8252

PRIVATELY EXPLAIN, DISCUSS, REPEAT, READ DIRECTIONS

CB VARIABLE 2 ID = 07202
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8609

DIFFERENCE = .0010 P = .6882

MODEL 2, ACH = CAT + CB R2 = .8599

DIFFERENCE = .0056 P = .8912

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0747

HI CB = 1.6238 LO CB = .8037

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0523
LO CAT, HI CB = -.8219
HI CAT, LO CB = .8840
HI CAT, HI CB = .9650

IF A STUDENT DOES NOT UNDERSTAND DIRECTIVES:
EXPLAIN, DISCUSS, REPEAT, READ TO STUDENT

CB VARIABLE 1 ID = 07201
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8624

DIFFERENCE = .0010 P = .6723

MODEL 2, ACH = CAT + CB R2 = .8614

DIFFERENCE = .0070 P = .8564

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0844

HI CB = 2.1568 LO CB = 1.2322

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7875
LO CAT, HI CB = -1.0383
HI CAT, LO CB = .9697
HI CAT, HI CB = .8621

HAVE STUDENT READ, RE-READ, OR REPEAT DIRECTIONS TO TEACHER

CB VARIABLE 3 ID = 07203
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8580

DIFFERENCE = .0002 P = .7582

MODEL 2, ACH = CAT + CB R2 = .8577

DIFFERENCE = .0034 P = .1885

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0587

HI CB = 1.6883 LO CB = .8184

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8535
LO CAT, HI CB = -1.0887
HI CAT, LO CB = .9786
HI CAT, HI CB = .8881

TEACHER USES DEVELOPMENTAL OR PREVENTIVE APPROACH

CB VARIABLE 4 ID = 07204
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8662

DIFFERENCE = .0072 P = .8513

MODEL 2, ACH = CAT + CB R2 = .8590

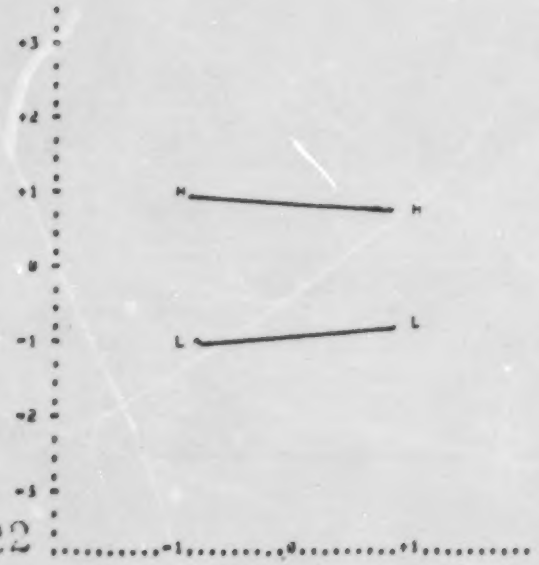
DIFFERENCE = .0046 P = .1242

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .8682

HI CB = 1.5763 LO CB = .7978

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.8764
LO CAT, HI CB = -.7542
HI CAT, LO CB = .9454
HI CAT, HI CB = .8711



TEACHER REACTS NEGATIVELY; WONT GIVE HELP; PENALIZES GRADE

CB VARIABLE 5 ID = 07205
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8684

DIFFERENCE = .0057 P = .8805

MODEL 2, ACH = CAT + CB R2 = .8628

DIFFERENCE = .0084 P = .8364

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .8923

HI CB = 1.8226 LO CB = .8708

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.8713
LO CAT, HI CB = -.6992
HI CAT, LO CB = .8882
HI CAT, HI CB = .9138

OTHER; SEND TO COUNSELOR; ASK WHAT HE DOESNT UNDERSTAND; ETC.

CB VARIABLE 6 ID = 07206
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8549

DIFFERENCE = .0006 P = .5996

MODEL 2, ACH = CAT + CB R2 = .8543

DIFFERENCE = .0000 P = .9502

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0027

HI CB = 1.4733 LO CB = .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9865
LO CAT, HI CB = -.9431
HI CAT, LO CB = .8957
HI CAT, HI CB = .9574

BOTH TEACHER AND STUDENTS ARE RESPONSIBLE FOR MOTIVATION TO LEARN

CB VARIABLE 7 ID = 07287
NUMBER OF VALID SCORES = 71

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8559

DIFFERENCE = .0001 P = .8732

MODEL 2, ACH = CAT + CB R2 = .8560

DIFFERENCE = .0006 P = .6075

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0243

HI CB = 1.6885 LO CB = .8185

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9865
LO CAT, HI CB = -.9419
HI CAT, LO CB = .9552
HI CAT, HI CB = .8929

TEACHER GIVES REASONS WHY STUDENTS NEED EXTERNAL MOTIVATION

CB VARIABLE 8 ID = 07288
NUMBER OF VALID SCORES = 71

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8586

DIFFERENCE = .0002 P = .7742

MODEL 2, ACH = CAT + CB R2 = .8585

DIFFERENCE = .0041 P = .1595

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0645

HI CB = 1.7315 LO CB = .8319

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9976
LO CAT, HI CB = -.8419
HI CAT, LO CB = .8688
HI CAT, HI CB = .9739

TEACHER CONSISTENTLY REWARDS GOOD BEHAVIOR AND GOOD WORK

CB VARIABLE 9 ID = 07289
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8523

DIFFERENCE = .0001 P = .8353

MODEL 2, ACH = CAT + CB R2 = .8522

DIFFERENCE = .0008 P = .5373

MODEL 3, ACH = CAT R2 = .8513

BETA FOR CB IN MODEL 2 = .0298

HI CB = 3.2573 LO CB = 1.8112

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9836
LO CAT, HI CB = -.9835
HI CAT, LO CB = .8866
HI CAT, HI CB = .9629

TEACHER REWARDS GOOD WORK AND BEHAVIOR:
WITH GRADES, BONUS POINTS

CB VARIABLE 10 ID = 07210
NUMBER OF VALID SCORES = 69

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8459

DIFFERENCE = .0001 P = .8783

MODEL 2, ACH = CAT + CB R2 = .8458

DIFFERENCE = .0062 P = .1036

MODEL 3, ACH = CAT R2 = .8396

BETA FOR CB IN MODEL 2 = .0798

HI CB = 1.8793 LO CB = .9833

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9829
LO CAT, HI CB = -.8183
HI CAT, LO CB = .8242
HI CAT, HI CB = .9952

WITH VERBAL PRAISE

```
CB VARIABLE 11       ID = 07211
NUMBER OF VALID SCORES =    69

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0005

   DIFFERENCE =   .0001   P =   .8433

MODEL 2, ACH = CAT + CB             R2 =   .0004

   DIFFERENCE =   .0000   P =   .5755

MODEL 3, ACH = CAT                  R2 =   .0396

BETA FOR CB IN MODEL 2 =   .0283

HI CB =    2.0733   LO CB =    1.0861

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9351
   LO CAT, HI CB =    -.8062
   HI CAT, LO CB =     .8763
   HI CAT, HI CB =     .9510
```

WITH PUBLIC RECOGNITION: DISPLAY WORK, USE AS EXAMPLE, ETC.

```
CB VARIABLE 13       ID = 07213
NUMBER OF VALID SCORES =    69

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0009

   DIFFERENCE =   .0006   P =   .6155

MODEL 2, ACH = CAT + CB             R2 =   .0002

   DIFFERENCE =   .0006   P =   .6266

MODEL 3, ACH = CAT                  R2 =   .0396

BETA FOR CB IN MODEL 2 =   -.0247

HI CB =    1.0299   LO CB =     .8949

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9125
   LO CAT, HI CB =    -.9281
   HI CAT, LO CB =     .9605
   HI CAT, HI CB =     .8544
```

WITH WRITTEN COMMENTS ON PAPER

```
CB VARIABLE 12       ID = 07212
NUMBER OF VALID SCORES =    69

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0046

   DIFFERENCE =   .0008   P =   .1591

MODEL 2, ACH = CAT + CB             R2 =   .0398

   DIFFERENCE =   .0002   P =   .7839

MODEL 3, ACH = CAT                  R2 =   .0396

BETA FOR CB IN MODEL 2 =   -.0135

HI CB =    1.7221   LO CB =     .8287

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9724
   LO CAT, HI CB =    -.7750
   HI CAT, LO CB =     .9899
   HI CAT, HI CB =     .8168
```

WITH OUT-OF-CLASS PRIVILEGES: LIBRARY, FIELD TRIPS, EAT OUT, RUN ERRANDS

```
CB VARIABLE 14       ID = 07214
NUMBER OF VALID SCORES =    69

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0562

   DIFFERENCE =   .0002   P =   .7536

MODEL 2, ACH = CAT + CB             R2 =   .0560

   DIFFERENCE =   .0160   P =   .0078

MODEL 3, ACH = CAT                  R2 =   .0396

BETA FOR CB IN MODEL 2 =   -.1287

HI CB =    1.6773   LO CB =     .8155

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.7897
   LO CAT, HI CB =   -1.0181
   HI CAT, LO CB =    1.0478
   HI CAT, HI CB =     .7536
```

WITH IN-CLASS PRIVILEGES: GAMES, FILMS, TALK, NO TESTS OR HOMEWORK, ETC.

```
CB VARIABLE 15      ID = 07215
NUMBER OF VALID SCORES =    69

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .8461

   DIFFERENCE =   .0041   P =   .1918

MODEL 2, ACH = CAT + CB            R2 =   .8420

   DIFFERENCE =   .0024   P =   .3208

MODEL 3, ACH = CAT                 R2 =   .8396

BETA FOR CB IN MODEL 2 =  -.0492

HI CB =    1.7645   LO CB =     .8442

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9304
   LO CAT, HI CB =    -.8858
   HI CAT, LO CB =    1.9287
   HI CAT, HI CB =     .8834
```

WITH TIME OFF, FREE TIME, FREE DAYS, GET TO LEAVE EARLY

```
CB VARIABLE 16      ID = 07216
NUMBER OF VALID SCORES =    69

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .8419

   DIFFERENCE =   .0005   P =   .6542

MODEL 2, ACH = CAT + CB            R2 =   .8413

   DIFFERENCE =   .0017   P =   .4026

MODEL 3, ACH = CAT                 R2 =   .8396

BETA FOR CB IN MODEL 2 =   .0418

HI CB =    1.1968   LO CB =     .8812

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -1.8961
   LO CAT, HI CB =    -.6867
   HI CAT, LO CB =    1.1956
   HI CAT, HI CB =     .5107
```


WITH CONCRETE REWARDS: CANDY, AWARDS, CERTIFICATES, GUM, GIFTS

```
CB VARIABLE 17      ID = 07217
NUMBER OF VALID SCORES =    69

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .8442

   DIFFERENCE =   .0033   P =   .2468

MODEL 2, ACH = CAT + CB            R2 =   .8410

   DIFFERENCE =   .0014   P =   .4618

MODEL 3, ACH = CAT                 R2 =   .8396

BETA FOR CB IN MODEL 2 =  -.0379

HI CB =    1.5529   LO CB =     .7969

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9191
   LO CAT, HI CB =    -.9269
   HI CAT, LO CB =    1.8136
   HI CAT, HI CB =     .7776
```

WITH APPROVAL, LOVE, PERSONAL ATTENTION, PHYSICAL AFFECTION, ETC.

```
CB VARIABLE 18      ID = 07218
NUMBER OF VALID SCORES =    69

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .8421

   DIFFERENCE =   .0008   P =   .5765

MODEL 2, ACH = CAT + CB            R2 =   .8413

   DIFFERENCE =   .0016   P =   .4168

MODEL 3, ACH = CAT                 R2 =   .8396

BETA FOR CB IN MODEL 2 =   .0412

HI CB =    1.5794   LO CB =     .7974

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9823
   LO CAT, HI CB =    -.8213
   HI CAT, LO CB =     .8928
   HI CAT, HI CB =     .9317
```

WITH COMPLIMENTARY NOTES TO PARENTS; CALL PARENTS TO BRAG

CB VARIABLE 19 ID # 07219
NUMBER OF VALID SCORES # 69

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .8453

DIFFERENCE # .0048 P # .1939

MODEL 2, ACH # CAT + CB R2 # .8412

DIFFERENCE # .0016 P # .4228

MODEL 3, ACH # CAT R2 # .8396

BETA FOR CB IN MODEL 2 # -.0481

HI CB # 1.2917 LO CB # .6203

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # -.9329
LO CAT, HI CB # -.8957
HI CAT, LO CB # 1.0301
HI CAT, HI CB # .7866

SOCIAL RELATIONSHIP W/STUDENT MORE IMPORTANT THAN ACADEMIC PROGRESS

CB VARIABLE 21 ID # 07221
NUMBER OF VALID SCORES # 75

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .8558

DIFFERENCE # .0003 P # .7134

MODEL 2, ACH # CAT + CB R2 # .8555

DIFFERENCE # .0012 P # .4525

MODEL 3, ACH # CAT R2 # .8543

BETA FOR CB IN MODEL 2 # .0304

HI CB # 2.3967 LO CB # 1.1499

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # -.9763
LO CAT, HI CB # -.8772
HI CAT, LO CB # .9186
HI CAT, HI CB # .9379

BECOMING CLOSE TO STUDENTS IS A PLUS FOR BUILDING RAPPORT

CB VARIABLE 20 ID # 07220
NUMBER OF VALID SCORES # 75

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .8528

DIFFERENCE # .0001 P # .9157

MODEL 2, ACH # CAT + CB R2 # .8527

DIFFERENCE # .0070 P # .0696

MODEL 3, ACH # CAT R2 # .8457

BETA FOR CB IN MODEL 2 # -.0806

HI CB # 3.6685 LO CB # 1.9811

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # -.8638
LO CAT, HI CB # -1.0262
HI CAT, LO CB # 1.0027
HI CAT, HI CB # .8599

RELATIONSHIP W/STUDENT IMPORT, BECAUSE MORE YOU KNOW, BETTER YOU CAN TEACH

CB VARIABLE 22 ID # 07222
NUMBER OF VALID SCORES # 75

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .8562

DIFFERENCE # .0016 P # .3737

MODEL 2, ACH # CAT + CB R2 # .8545

DIFFERENCE # .0002 P # .7337

MODEL 3, ACH # CAT R2 # .8543

BETA FOR CB IN MODEL 2 # .0159

HI CB # 1.4458 LO CB # .7958

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # -.9179
LO CAT, HI CB # -.9194
HI CAT, LO CB # .8543
HI CAT, HI CB # 1.0256

BECAUSE RELATIONSHIP IS STRONG MOTIVATOR; WILL WORK TO PLEASE T,

```
CB VARIABLE 23      ID = 07223
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .8565

   DIFFERENCE =   .0003   P =   .7886

MODEL 2, ACH = CAT + CB            R2 =   .8562

   DIFFERENCE =   .0019   P =   .3303

MODEL 3, ACH = CAT                 R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0439

HI CB =    1.5266   LO CB =     .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8098
   LO CAT, HI CB =    -.9535
   HI CAT, LO CB =     .9862
   HI CAT, HI CB =     .8684
```

BECAUSE TEACHER, STUDENTS MORE COMFORTABLE, RECEPTIVE

```
CB VARIABLE 24      ID = 07224
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .8586

   DIFFERENCE =   .0036   P =   .1818

MODEL 2, ACH = CAT + CB            R2 =   .8551

   DIFFERENCE =   .0008   P =   .5453

MODEL 3, ACH = CAT                 R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0301

HI CB =    1.4753   LO CB =     .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -1.0807
   LO CAT, HI CB =    -.6453
   HI CAT, LO CB =     .9836
   HI CAT, HI CB =     .9116
```


TEACHER HANDLES THE DISRUPTIVE STUDENT BY CONFERENCE, TALK

```
CB VARIABLE 25      ID = 07225
NUMBER OF VALID SCORES =    73

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .8582

   DIFFERENCE =   .0009   P =   .5083

MODEL 2, ACH = CAT + CB            R2 =   .8573

   DIFFERENCE =   .0000   P =   .9830

MODEL 3, ACH = CAT                 R2 =   .8573

BETA FOR CB IN MODEL 2 =   .0053

HI CB =    2.1720   LO CB =    1.2809

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8913
   LO CAT, HI CB =    -.9516
   HI CAT, LO CB =     .8960
   HI CAT, HI CB =     .9619
```

REALITY THERAPY, CONTRACTS

```
CB VARIABLE 26      ID = 07226
NUMBER OF VALID SCORES =    73

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .8598

   DIFFERENCE =   .0013   P =   .4329

MODEL 2, ACH = CAT + CB            R2 =   .8577

   DIFFERENCE =   .0005   P =   .6435

MODEL 3, ACH = CAT                 R2 =   .8573

BETA FOR CB IN MODEL 2 =  -.0213

HI CB =    1.6991   LO CB =     .8215

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8715
   LO CAT, HI CB =   -1.0040
   HI CAT, LO CB =     .9148
   HI CAT, HI CB =     .9572
```

MANAGEMENT, THREAT, CRITICIZE, WARN, ETC.

CB VARIABLE 27 ID = 07227
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0638

DIFFERENCE = .0065 P = .0712

MODEL 2, ACH = CAT + CB R2 = .0573

DIFFERENCE = .0000 P = .9853

MODEL 3, ACH = CAT R2 = .0573

BETA FOR CB IN MODEL 2 = -.0055

HI CB = 1.0066 LO CB = .9879

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9827
LO CAT, HI CB = -.7689
HI CAT, LO CB = 1.0157
HI CAT, HI CB = .8681

ISOLATING STUDENT, MOVE UP FRONT, INTO HALL

CB VARIABLE 28 ID = 07228
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0582

DIFFERENCE = .0001 P = .8154

MODEL 2, ACH = CAT + CB R2 = .0581

DIFFERENCE = .0008 P = .5435

MODEL 3, ACH = CAT R2 = .0573

BETA FOR CB IN MODEL 2 = -.0280

HI CB = 1.0498 LO CB = .9504

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8872
LO CAT, HI CB = -.9635
HI CAT, LO CB = .9437
HI CAT, HI CB = .9085

KEEPING AFTER SCHOOL, AFTER CLASS

CB VARIABLE 29 ID = 07229
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0653

DIFFERENCE = .0013 P = .4147

MODEL 2, ACH = CAT + CB R2 = .0639

DIFFERENCE = .0067 P = .0649

MODEL 3, ACH = CAT R2 = .0573

BETA FOR CB IN MODEL 2 = .0823

HI CB = 1.7602 LO CB = .8425

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9720
LO CAT, HI CB = -.8789
HI CAT, LO CB = .8119
HI CAT, HI CB = 1.0496

CONTACTING PARENTS, SENDING NOTE HOME

CB VARIABLE 30 ID = 07230
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0617

DIFFERENCE = .0022 P = .2967

MODEL 2, ACH = CAT + CB R2 = .0595

DIFFERENCE = .0023 P = .2926

MODEL 3, ACH = CAT R2 = .0573

BETA FOR CB IN MODEL 2 = .0476

HI CB = 1.0698 LO CB = .8973

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9514
LO CAT, HI CB = -.9296
HI CAT, LO CB = .8385
HI CAT, HI CB = 1.0341

REFERRING TO COUNSELOR; CONFERENCE W/PARENT, COUNSELOR, STUDENT

CB VARIABLE 31 ID = 07231
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0577

DIFFERENCE = .0003 P = .7188

MODEL 2, ACH = CAT + CB R2 = .0574

DIFFERENCE = .0001 P = .8175

MODEL 3, ACH = CAT R2 = .0573

BETA FOR CB IN MODEL 2 = .0182

HI CB = 1.4224 LO CB = .7972

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9659
LO CAT, HI CB = -.8584
HI CAT, LO CB = .9314
HI CAT, HI CB = .9886

SENDING TO DETENTION

CB VARIABLE 33 ID = 07233
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0650

DIFFERENCE = .0066 P = .0665

MODEL 2, ACH = CAT + CB R2 = .0583

DIFFERENCE = .0011 P = .4767

MODEL 3, ACH = CAT R2 = .0573

BETA FOR CB IN MODEL 2 = .0327

HI CB = 1.6555 LO CB = .8102

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0389
LO CAT, HI CB = -.8046
HI CAT, LO CB = .9731
HI CAT, HI CB = .8731

SENDING TO PRINCIPAL, OFFICE

CB VARIABLE 32 ID = 07232
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0578

DIFFERENCE = .0002 P = .7007

MODEL 2, ACH = CAT + CB R2 = .0576

DIFFERENCE = .0003 P = .7113

MODEL 3, ACH = CAT R2 = .0573

BETA FOR CB IN MODEL 2 = .0171

HI CB = 1.9798 LO CB = .9799

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9681
LO CAT, HI CB = -.8997
HI CAT, LO CB = .9246
HI CAT, HI CB = .9281

OTHER; IGNORE HIM; HAVE THEM DO SPECIAL ERRANDS, WRITE SENTENCES

CB VARIABLE 34 ID = 07234
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0592

DIFFERENCE = .0005 P = .6337

MODEL 2, ACH = CAT + CB R2 = .0588

DIFFERENCE = .0015 P = .3982

MODEL 3, ACH = CAT R2 = .0573

BETA FOR CB IN MODEL 2 = -.0398

HI CB = 1.7403 LO CB = .8358

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8687
LO CAT, HI CB = -.9627
HI CAT, LO CB = .9314
HI CAT, HI CB = .9898

TEACHER HAS STEP-BY-STEP PROCESS FOR HANDLING DISRUPTIVE STUDENTS

CB VARIABLE 35 ID = 07235
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8598

DIFFERENCE = .0004 P = .6457

MODEL 2, ACH = CAT + CB R2 = .8586

DIFFERENCE = .0013 P = .4282

MODEL 3, ACH = CAT R2 = .8573

BETA FOR CB IN MODEL 2 = .0363

HI CB = 2.0331 LO CB = 1.0358

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9856
LO CAT, HI CB = -.8705
HI CAT, LO CB = .9119
HI CAT, HI CB = .9824

STUDENT SHOULD BE DISCIPLINED FOR
DISRUPTION, DISOBEDIENCE, BOTHERING OTHERS

CB VARIABLE 36 ID = 07236
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8565

DIFFERENCE = .0018 P = .3438

MODEL 2, ACH = CAT + CB R2 = .8547

DIFFERENCE = .0004 P = .6694

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0195

HI CB = 2.0866 LO CB = 1.0867

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8998
LO CAT, HI CB = -.9457
HI CAT, LO CB = .8533
HI CAT, HI CB = .9797

PROFANITY, SWEARING, VULGAR LANGUAGE

CB VARIABLE 37 ID = 07237
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8635

DIFFERENCE = .0003 P = .6823

MODEL 2, ACH = CAT + CB R2 = .8632

DIFFERENCE = .0089 P = .0317

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0974

HI CB = 1.4154 LO CB = .7980

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7913
LO CAT, HI CB = -.9999
HI CAT, LO CB = .9722
HI CAT, HI CB = .8372

LACK OF RESPECT, CONSIDERATION FOR TEACHER, OTHER STUDENTS

CB VARIABLE 38 ID = 07238
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8568

DIFFERENCE = .0003 P = .6858

MODEL 2, ACH = CAT + CB R2 = .8557

DIFFERENCE = .0014 P = .4185

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0378

HI CB = 2.1292 LO CB = 1.1774

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9582
LO CAT, HI CB = -.9141
HI CAT, LO CB = .8864
HI CAT, HI CB = .9942

CONSTANT TALKING, INTERRUPTING, CALLING OUT, WONT SHUT UP

CB VARIABLE 39 ID = 07239
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8558

DIFFERENCE = .0015 P = .4034

MODEL 2, ACH = CAT + CB R2 = .8543

DIFFERENCE = .0000 P = .9287

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0043

HI CB = 1.7809 LO CB = .8245

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8892
LO CAT, HI CB = -.9552
HI CAT, LO CB = .8826
HI CAT, HI CB = .9633

MISBEHAVING, FIGHTING, THROWING, DESTRUCTION OF PROPERTY

CB VARIABLE 40 ID = 07240
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8543

DIFFERENCE = .0000 P = .9941

MODEL 2, ACH = CAT + CB R2 = .8543

DIFFERENCE = .0000 P = .9457

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0030

HI CB = 1.9213 LO CB = .9321

EXPECTED VALUES FROM MODEL 1, (Z-SCALE
LO CAT, LO CB = -.9143
LO CAT, HI CB = -.9384
HI CAT, LO CB = .9217
HI CAT, HI CB = .9264

DISREGARDING SCHOOLWORK; TARDY, NOT BRING MATERIALS, NOT DO WORK

CB VARIABLE 41 ID = 07241
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8598

DIFFERENCE = .0002 P = .7568

MODEL 2, ACH = CAT + CB R2 = .8596

DIFFERENCE = .0053 P = .1082

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0738

HI CB = 1.5763 LO CB = .7978

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9758
LO CAT, HI CB = -.8623
HI CAT, LO CB = .8314
HI CAT, HI CB = 1.0817

TEACHER BELIEVES THAT TO ESTABLISH CREDIBILITY:
MUST BE CONSISTENT; FOLLOW THROUGH

CB VARIABLE 42 ID = 07242
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8529

DIFFERENCE = .0012 P = .4699

MODEL 2, ACH = CAT + CB R2 = .8518

DIFFERENCE = .0022 P = .3168

MODEL 3, ACH = CAT R2 = .8496

BETA FOR CB IN MODEL 2 = -.0481

HI CB = 1.8698 LO CB = .8973

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8172
LO CAT, HI CB = -.9760
HI CAT, LO CB = .9248
HI CAT, HI CB = .9837

MUST BE FAIR; TREAT ALL THE SAME, DONT PLAY FAVORITES

CB VARIABLE 43 ID = 07243
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0548

DIFFERENCE = .0049 P = .1278

MODEL 2, ACH = CAT + CB R2 = .0499

DIFFERENCE = .0003 P = .7282

MODEL 3, ACH = CAT R2 = .0496

BETA FOR CB IN MODEL 2 = -.0169

HI CB = 1.5855 LO CB = .7981

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9671
LO CAT, HI CB = -.8930
HI CAT, LO CB = 1.0129
HI CAT, HI CB = .8845

MUST BE HONEST, SINCERE

CB VARIABLE 44 ID = 07244
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0523

DIFFERENCE = .0000 P = .9952

MODEL 2, ACH = CAT + CB R2 = .0523

DIFFERENCE = .0026 P = .2667

MODEL 3, ACH = CAT R2 = .0496

BETA FOR CB IN MODEL 2 = .0524

HI CB = 1.5007 LO CB = .7955

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9688
LO CAT, HI CB = -.8483
HI CAT, LO CB = .8618
HI CAT, HI CB = .9597

MUST MAINTAIN TEACHER ROLE; KNOW SUBJECT; BE CORRECT IN MANNER

CB VARIABLE 45 ID = 07245
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0545

DIFFERENCE = .0046 P = .1487

MODEL 2, ACH = CAT + CB R2 = .0501

DIFFERENCE = .0005 P = .6364

MODEL 3, ACH = CAT R2 = .0496

BETA FOR CB IN MODEL 2 = .0235

HI CB = 1.6776 LO CB = .8156

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0122
LO CAT, HI CB = -.7440
HI CAT, LO CB = .9492
HI CAT, HI CB = .9837

MUST SHOW TRUST, CARING, RESPECT FOR STUDENTS

CB VARIABLE 46 ID = 07246
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0498

DIFFERENCE = .0001 P = .8185

MODEL 2, ACH = CAT + CB R2 = .0497

DIFFERENCE = .0001 P = .8190

MODEL 3, ACH = CAT R2 = .0496

BETA FOR CB IN MODEL 2 = -.0103

HI CB = 1.6329 LO CB = .8455

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9218
LO CAT, HI CB = -.9240
HI CAT, LO CB = .9028
HI CAT, HI CB = .9821

MUST ADMIT MISTAKES, BE A REAL PERSON

CB VARIABLE 47 ID = 07247
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0579

DIFFERENCE = .0037 P = .1837

MODEL 2, ACH = CAT + CB R2 = .0538

DIFFERENCE = .0042 P = .1593

MODEL 3, ACH = CAT R2 = .0496

BETA FOR CB IN MODEL 2 = -.0647

HI CB = 1.0329 LO CB = .0855

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9129
LO CAT, HI CB = -.9383
HI CAT, LO CB = 1.0046
HI CAT, HI CB = .7884

THINKS THAT STUDENT RATINGS OF TEACHERS AND CLASSES ARE VALID

CB VARIABLE 49 ID = 07249
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0586

DIFFERENCE = .0038 P = .2102

MODEL 2, ACH = CAT + CB R2 = .0555

DIFFERENCE = .0012 P = .0439

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0351

HI CB = 2.0921 LO CB = 1.0546

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9996
LO CAT, HI CB = -.8181
HI CAT, LO CB = .9231
HI CAT, HI CB = .9877

DISAGREE GO BY EXPERIENCE; SET GOOD EXAMPLE; THEY KNOW MY REPUTATION

CB VARIABLE 48 ID = 07248
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0553

DIFFERENCE = .0057 P = .1000

MODEL 2, ACH = CAT + CB R2 = .0497

DIFFERENCE = .0000 P = .0792

MODEL 3, ACH = CAT R2 = .0496

BETA FOR CB IN MODEL 2 = .0068

HI CB = 1.0776 LO CB = .0156

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8519
LO CAT, HI CB = -.9877
HI CAT, LO CB = .8386
HI CAT, HI CB = .9984

TEACHER BELIEVES THAT STUDENTS' RATINGS OF SCHOOL ARE INVALID BECAUSE STUDENTS IMMATURE, EMOTIONAL, DONT THINK

CB VARIABLE 50 ID = 07250
NUMBER OF VALID SCORES = 82

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0917

DIFFERENCE = .0005 P = .6965

MODEL 2, ACH = CAT + CB R2 = .0912

DIFFERENCE = .0029 P = .3162

MODEL 3, ACH = CAT R2 = .0884

BETA FOR CB IN MODEL 2 = -.0566

HI CB = 1.9234 LO CB = .9357

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8952
LO CAT, HI CB = -.9681
HI CAT, LO CB = .9985
HI CAT, HI CB = .8160

KIDS RESPOND TO IRRELEVANT FACTORS: REVENGE, PEER PRESSURE, ETC.

```
CB VARIABLE 51       ID = 07251
NUMBER OF VALID SCORES =    42

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .8927

   DIFFERENCE =   .0041   P =   .2342

MODEL 2, ACH = CAT + CB            R2 =   .8886

   DIFFERENCE =   .0002   P =   .7834

MODEL 3, ACH = CAT                 R2 =   .8884

BETA FOR CB IN MODEL 2 =   .0146

HI CB =    1.0047   LO CB =    .8619

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -1.0211
   LO CAT, HI CB =    -.8599
   HI CAT, LO CB =     .9058
   HI CAT, HI CB =     .9037
```

FAULTY PROCEDURES POORLY WORDED, TIMED; NOT EXPLAINED, ETC.

```
CB VARIABLE 52       ID = 07252
NUMBER OF VALID SCORES =    42

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .8917

   DIFFERENCE =   .0015   P =   .6810

MODEL 2, ACH = CAT + CB            R2 =   .8902

   DIFFERENCE =   .0019   P =   .4241

MODEL 3, ACH = CAT                 R2 =   .8884

BETA FOR CB IN MODEL 2 =   .2438

HI CB =    1.7816   LO CB =    .8222

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9487
   LO CAT, HI CB =    -.9404
   HI CAT, LO CB =     .8504
   HI CAT, HI CB =    1.8475
```


KIDS CAN DISTINGUISH ABILITY TO TEACH VERSUS ESTABLISH RAPPORT

```
CB VARIABLE 53       ID = 07253
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .8544

   DIFFERENCE =   .0001   P =   .8333

MODEL 2, ACH = CAT + CB            R2 =   .8543

   DIFFERENCE =   .0000   P =   .9832

MODEL 3, ACH = CAT                 R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0008

HI CB =    3.1856   LO CB =    1.4544

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9131
   LO CAT, HI CB =    -.9374
   HI CAT, LO CB =     .9180
   HI CAT, HI CB =     .9325
```

TEACHER GIVES CONSISTENT ANSWERS ABOUT VALIDITY OF STUDENT RATINGS

```
CB VARIABLE 54       ID = 07254
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .8544

   DIFFERENCE =   .0000   P =   .9166

MODEL 2, ACH = CAT + CB            R2 =   .8544

   DIFFERENCE =   .0001   P =   .8088

MODEL 3, ACH = CAT                 R2 =   .8543

BETA FOR CB IN MODEL 2 =   .0107

HI CB =    2.1714   LO CB =    1.7220

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9518
   LO CAT, HI CB =    -.9045
   HI CAT, LO CB =     .9199
   HI CAT, HI CB =     .9323
```

WHOLE CLASS IS INVOLVED IN CLASS DISCUSSIONS MOST OF TIME

CB VARIABLE 55 ID = 07255
NUMBER OF VALID SCORES = 46

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0548

DIFFERENCE = .0012 P = .5625

MODEL 2, ACH = CAT + CB R2 = .0535

DIFFERENCE = .0002 P = .7839

MODEL 3, ACH = CAT R2 = .0533

BETA FOR CB IN MODEL 2 = .0101

HI CB = 2.2051 LO CB = 1.4471

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9516
LO CAT, HI CB = -.8728
HI CAT, LO CB = .9522
HI CAT, HI CB = .8969

HIGH FREQUENCY OF CLASS DISCUSSIONS

CB VARIABLE 56 ID = 07256
NUMBER OF VALID SCORES = 29

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0616

DIFFERENCE = .0045 P = .3774

MODEL 2, ACH = CAT + CB R2 = .0571

DIFFERENCE = .0006 P = .7411

MODEL 3, ACH = CAT R2 = .0565

BETA FOR CB IN MODEL 2 = .0250

HI CB = 1.8570 LO CB = .6947

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0087
LO CAT, HI CB = -.7584
HI CAT, LO CB = .9468
HI CAT, HI CB = .9887

ADVANTAGES OF CLASS DISCUSSION ARE
STUDENTS LEARN BY HEARING OTHERS; SLOWER ONES LEARN FROM BRIGHTER

CB VARIABLE 57 ID = 07257
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0599

DIFFERENCE = .0000 P = .8948

MODEL 2, ACH = CAT + CB R2 = .0598

DIFFERENCE = .0055 P = .0929

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0743

HI CB = 1.8000 LO CB = .8000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9920
LO CAT, HI CB = -.8554
HI CAT, LO CB = .8034
HI CAT, HI CB = 1.0034

TEACHER CAN FIND PROBLEM AREAS; SEE IF UNDERSTAND; CATCH QUESTIONS

CB VARIABLE 58 ID = 07258
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0556

DIFFERENCE = .0008 P = .5350

MODEL 2, ACH = CAT + CB R2 = .0548

DIFFERENCE = .0008 P = .6456

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0213

HI CB = 1.6883 LO CB = .8184

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9351
LO CAT, HI CB = -.9118
HI CAT, LO CB = .9768
HI CAT, HI CB = .8853

EFFECTIVE USE OF TEACHER TIME; WHOLE CLASS HEARS WHAT IS SAID

```
CB VARIABLE 59       ID = 07259
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8559

   DIFFERENCE =   .0016   P =   .3859

MODEL 2, ACH = CAT + CB             R2 =   .8543

   DIFFERENCE =   .0000   P =   .9338

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0036

HI CB =   1.5763   LO CB =     .7970

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8709
   LO CAT, HI CB =    -.9715
   HI CAT, LO CB =     .8893
   HI CAT, HI CB =     .9589
```

LEARN COMMUNICATION SKILLS; CHANCE FOR INTERACTION, SELF-EXPRESSION

```
CB VARIABLE 61       ID = 07261
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8618

   DIFFERENCE =   .0060   P =   .0885

MODEL 2, ACH = CAT + CB             R2 =   .8554

   DIFFERENCE =   .0011   P =   .4657

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =   .0342

HI CB =    1.8047   LO CB =     .8619

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9649
   LO CAT, HI CB =    -.8148
   HI CAT, LO CB =    1.0353
   HI CAT, HI CB =     .8234
```


STIMULATES MOTIVATION, INTEREST; BETTER ATTENTION, BEHAVIOR

```
CB VARIABLE 60       ID = 07260
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8611

   DIFFERENCE =   .0051   P =   .1058

MODEL 2, ACH = CAT + CB             R2 =   .8559

   DIFFERENCE =   .0016   P =   .3756

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0083

HI CB =    1.7865   LO CB =     .8535

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9689
   LO CAT, HI CB =    -.8968
   HI CAT, LO CB =    1.0042
   HI CAT, HI CB =     .8304
```

ESTABLISH IDENTITY, GAIN CONFIDENCE; ALL PARTICIPATE, SHY KIDS TALK

```
CB VARIABLE 62       ID = 07262
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8587

   DIFFERENCE =   .0044   P =   .1397

MODEL 2, ACH = CAT + CB             R2 =   .8544

   DIFFERENCE =   .0001   P =   .8454

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =  +.0087

HI CB =    1.9364   LO CB =     .9436

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8378
   LO CAT, HI CB =    -.9816
   HI CAT, LO CB =     .8772
   HI CAT, HI CB =    1.0055
```

OTHERS BRIGHTS LEARN TOLERANCE; SAVES PAPERWORK; DISCUSSIONS ARE FUN, ETC

```
CB VARIABLE 63       ID = 07263
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =    .8559

   DIFFERENCE =    .0016    P =    .3811

MODEL 2, ACH = CAT + CB             R2 =    .8543

   DIFFERENCE =    .0000    P =    .9638

MODEL 3, ACH = CAT                  R2 =    .8543

BETA FOR CB IN MODEL 2 =  -.0020

HI CB =     1.0733   LO CB =     .7938

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8726
   LO CAT, HI CB =    -.9912
   HI CAT, LO CB =     .8952
   HI CAT, HI CB =     .9362
```

TIRING FOR TEACHERS HARD TO GIVE ALL A CHANCE; MUST ATTEND CLOSELY

```
CB VARIABLE 65       ID = 07265
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =    .8616

   DIFFERENCE =    .0057    P =    .0871

MODEL 2, ACH = CAT + CB             R2 =    .8559

   DIFFERENCE =    .0016    P =    .3809

MODEL 3, ACH = CAT                  R2 =    .8543

BETA FOR CB IN MODEL 2 =   .0399

HI CB =     1.7298   LO CB =     .8318

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -1.8366
   LO CAT, HI CB =    -.7928
   HI CAT, LO CB =     .9574
   HI CAT, HI CB =     .8961
```

DISADVANTAGES OF CLASS DISCUSSION ARE
MANY DONT DO WONT PARTICIPATE IN CLASS DISCUSSIONS

```
CB VARIABLE 64       ID = 07264
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =    .8626

   DIFFERENCE =    .0056    P =    .0986

MODEL 2, ACH = CAT + CB             R2 =    .8570

   DIFFERENCE =    .0027    P =    .2461

MODEL 3, ACH = CAT                  R2 =    .8543

BETA FOR CB IN MODEL 2 =  -.0523

HI CB =     1.7486   LO CB =     .8388

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.7750
   LO CAT, HI CB =   -1.0884
   HI CAT, LO CB =     .8853
   HI CAT, HI CB =     .9286
```

CONTROL, BEHAVIOR PROBLEMS MAY DEVELOP

```
CB VARIABLE 66       ID = 07266
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =    .8549

   DIFFERENCE =    .0000    P =    .9376

MODEL 2, ACH = CAT + CB             R2 =    .8548

   DIFFERENCE =    .0005    P =    .8158

MODEL 3, ACH = CAT                  R2 =    .8543

BETA FOR CB IN MODEL 2 =  -.0233

HI CB =     1.6238   LO CB =     .8037

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8986
   LO CAT, HI CB =    -.9484
   HI CAT, LO CB =     .9488
   HI CAT, HI CB =     .9813
```

DISC, MAY GET MISDIRECTED, PETTY, TRIVIAL; MAY START ARGUMENT

CB VARIABLE 67 ID # 87267
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8598

DIFFERENCE = .0039 P = .1626

MODEL 2, ACH = CAT + CB R2 = .8551

DIFFERENCE = .0008 P = .5428

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0285

HI CB = 1.5763 LO CB = .7979

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8976
LO CAT, HI CB = -.9284
HI CAT, LO CB = .8297
HI CAT, HI CB = 1.0357

HARD TO DO WITH DIFFERENT ABILITY LEVEL STUDENTS

CB VARIABLE 68 ID # 87268
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8652

DIFFERENCE = .0084 P = .0368

MODEL 2, ACH = CAT + CB R2 = .8568

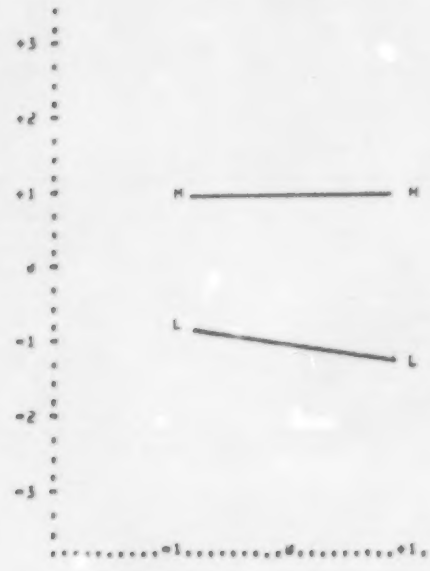
DIFFERENCE = .0025 P = .2672

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0501

HI CB = 1.6869 LO CB = .6869

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7823
LO CAT, HI CB = -1.1264
HI CAT, LO CB = .8963
HI CAT, HI CB = .9695



LOSS OF ATTENTION; KIDS TUNE OUT; DONT LISTEN TO EACH OTHER

```
CB VARIABLE 69       ID = 07269
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0558

   DIFFERENCE =   .0014   P =   .6866

MODEL 2, ACH = CAT + CB             R2 =   .0543

   DIFFERENCE =   .0000   P =   .9913

MODEL 3, ACH = CAT                  R2 =   .0543

BETA FOR CB IN MODEL 2 =  -.0003

HI CB =    1.0154   LO CB =     .7980

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9898
   LO CAT, HI CB =    -.0112
   HI CAT, LO CB =     .9561
   HI CAT, HI CB =     .0838
```

NO DISADVANTAGES TO CLASS DISCUSSIONS

```
CB VARIABLE 78       ID = 07278
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0611

   DIFFERENCE =   .0000   P =   .8923

MODEL 2, ACH = CAT + CB             R2 =   .0611

   DIFFERENCE =   .0068   P =   .0613

MODEL 3, ACH = CAT                  R2 =   .0543

BETA FOR CB IN MODEL 2 =   .0832

HI CB =    1.3161   LO CB =     .8172

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -1.0153
   LO CAT, HI CB =    -.0568
   HI CAT, LO CB =     .8426
   HI CAT, HI CB =    1.0141
```


OTHERS; REWARDS COMPETITIVENESS; CANT TEACH TO INDIVIDUALS, ETC.

```
CB VARIABLE 71       ID = 07271
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0600

   DIFFERENCE =   .0124   P =   .0114

MODEL 2, ACH = CAT + CB             R2 =   .0555

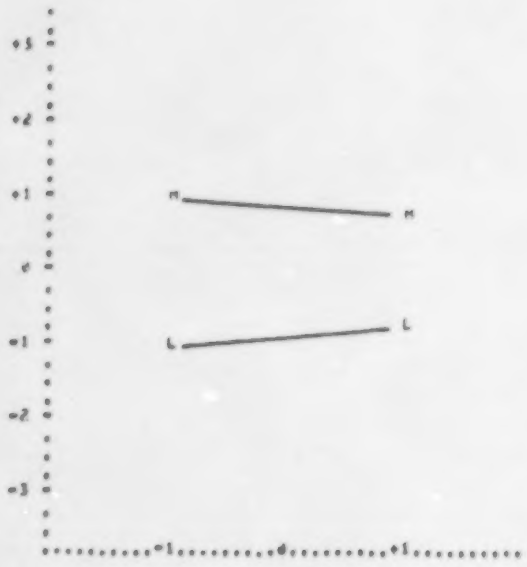
   DIFFERENCE =   .0012   P =   .6618

MODEL 3, ACH = CAT                  R2 =   .0543

BETA FOR CB IN MODEL 2 =  -.0381

HI CB =    1.0671   LO CB =     .8129

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -1.0027
   LO CAT, HI CB =    -.0392
   HI CAT, LO CB =    1.0630
   HI CAT, HI CB =     .0552
```



TEACHER TARGETS QUESTIONS TO BRIGHTER, OR SLOWER, ETC.

CB VARIABLE 72 ID = 07272
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8598

DIFFERENCE = .0036 P = .1765

MODEL 2, ACH = CAT + CB R2 = .8554

DIFFERENCE = .0011 P = .4742

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0333

HI CB = 1.0737 LO CB = .8997

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0033
LO CAT, HI CB = -.7969
HI CAT, LO CB = .9684
HI CAT, HI CB = .8996

EQUALIZES QUESTIONS, OR TARGETS FOR SPECIFIC REASONS

CB VARIABLE 73 ID = 07273
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8573

DIFFERENCE = .0029 P = .2287

MODEL 2, ACH = CAT + CB R2 = .8543

DIFFERENCE = .0000 P = .9354

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0036

HI CB = 1.0512 LO CB = .9555

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9758
LO CAT, HI CB = -.8558
HI CAT, LO CB = .9746
HI CAT, HI CB = .8735

TEACHER DOES NOT SAY WHETHER OR NOT SHE TARGETS QUESTIONS

CB VARIABLE 74 ID = 07274
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8716

DIFFERENCE = .0156 P = .0046

MODEL 2, ACH = CAT + CB R2 = .8559

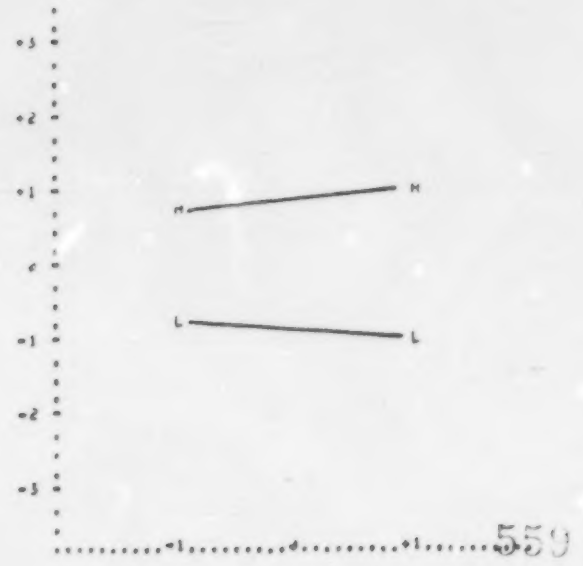
DIFFERENCE = .0016 P = .3729

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0415

HI CB = 1.0733 LO CB = .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7816
LO CAT, HI CB = -.9984
HI CAT, LO CB = .7887
HI CAT, HI CB = 1.1158



TEACHER DIRECTS MORE QUESTIONS TO BRIGHTER STUDENTS

CB VARIABLE 75 ID = 87275
NUMBER OF VALID SCORES = 35

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0521

DIFFERENCE = .0001 P = .9896

MODEL 2, ACH = CAT + CB R2 = .0521

DIFFERENCE = .0085 P = .1811

MODEL 3, ACH = CAT R2 = .0436

BETA FOR CB IN MODEL 2 = -.0931

HI CB = 2.2039 LO CB = 1.5676

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8210
LO CAT, HI CB = -1.0324
HI CAT, LO CB = .9883
HI CAT, HI CB = .8550

TEACHER GOES TO STUDENT DURING SEATWORK PERIODS MOST OF TIME

CB VARIABLE 76 ID = 87276
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0675

DIFFERENCE = .0092 P = .0275

MODEL 2, ACH = CAT + CB R2 = .0582

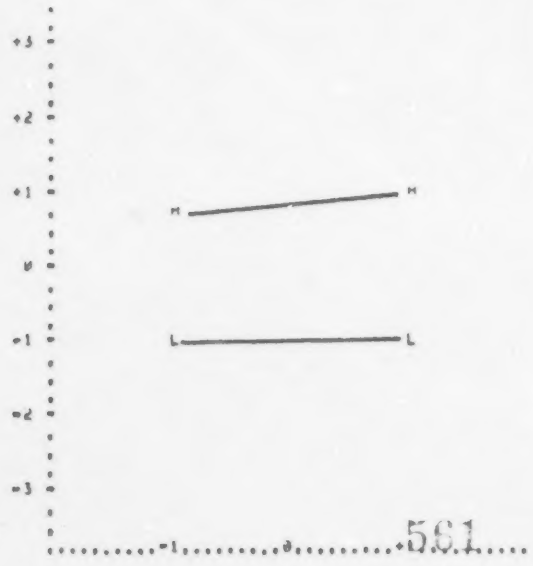
DIFFERENCE = .0039 P = .1595

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0641

HI CB = 4.3632 LO CB = 1.8768

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8754
LO CAT, HI CB = -.9447
HI CAT, LO CB = .7853
HI CAT, HI CB = 1.1241



IN LITERATURE, USE THE DISTRICTS ADOPTED TEXTS

CB VARIABLE 77 ID = 87277
NUMBER OF VALID SCORES = 67

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8831

DIFFERENCE = .0128 P = .0104

MODEL 2, ACH = CAT + CB R2 = .8703

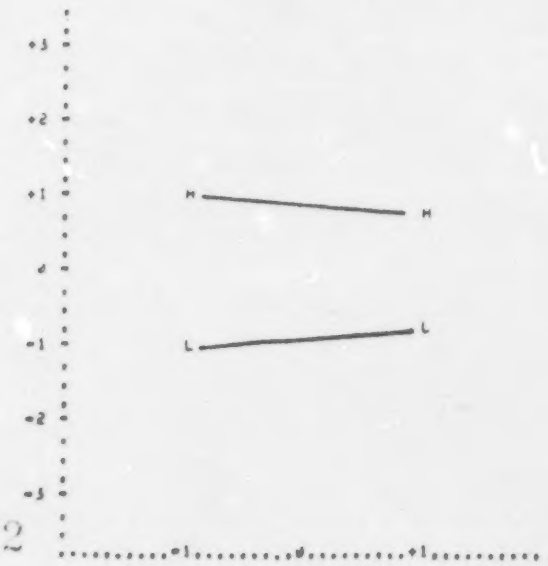
DIFFERENCE = .0027 P = .2512

MODEL 3, ACH = CAT R2 = .8676

BETA FOR CB IN MODEL 2 = .0599

HI CB = 2.1672 LO CB = 1.2657

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9622
LO CAT, HI CB = -.7036
HI CAT, LO CB = 1.0868
HI CAT, HI CB = .8332



IN LITERATURE, USE EASIER SUPPLEMENTARY MATERIALS

CB VARIABLE 78 ID = 87278
NUMBER OF VALID SCORES = 67

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8858

DIFFERENCE = .0061 P = .0697

MODEL 2, ACH = CAT + CB R2 = .8797

DIFFERENCE = .0119 P = .0160

MODEL 3, ACH = CAT R2 = .8676

BETA FOR CB IN MODEL 2 = -.1266

HI CB = 1.7773 LO CB = .8495

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.6115
LO CAT, HI CB = -.9838
HI CAT, LO CB = .9035
HI CAT, HI CB = .8786

IN SPELLING, USE BASIC GOALS IN SPELLING AS TEXT

```
CB VARIABLE 79      ID = 07279
NUMBER OF VALID SCORES =    67

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .0811

   DIFFERENCE =   .0135   P =   .0093

MODEL 2, ACH = CAT + CB            R2 =   .0676

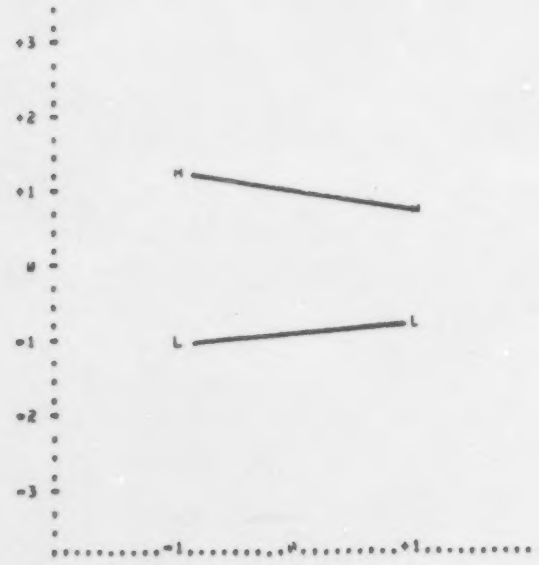
   DIFFERENCE =   .0000   P =   .9963

MODEL 3, ACH = CAT                 R2 =   .0676

BETA FOR CB IN MODEL 2 =  -.0059

HI CB =    2.2063   LO CB =    1.4654

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9387
   LO CAT, HI CB =    -.8618
   HI CAT, LO CB =    1.2463
   HI CAT, HI CB =     .7558
```



IN GRAMMAR, USE NEW APPROACHES (ADOPTED TEXT)

```
CB VARIABLE 80      ID = 07280
NUMBER OF VALID SCORES =    67

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .0680

   DIFFERENCE =   .0003   P =   .7242

MODEL 2, ACH = CAT + CB            R2 =   .0677

   DIFFERENCE =   .0001   P =   .8864

MODEL 3, ACH = CAT                 R2 =   .0676

BETA FOR CB IN MODEL 2 =   .0108

HI CB =    1.7119   LO CB =     .8254

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9575
   LO CAT, HI CB =    -.8993
   HI CAT, LO CB =     .9355
   HI CAT, HI CB =     .9275
```

IN GRAMMAR, USE SUPPLEMENTARY MATERIALS, WORKBOOKS, SELF-MADE, ETC.

```
CB VARIABLE 81      ID = 07281
NUMBER OF VALID SCORES =    67

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .0776

   DIFFERENCE =   .0057   P =   .0871

MODEL 2, ACH = CAT + CB            R2 =   .0719

   DIFFERENCE =   .0043   P =   .1423

MODEL 3, ACH = CAT                 R2 =   .0676

BETA FOR CB IN MODEL 2 =   .0665

HI CB =    2.0359   LO CB =    1.0387

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9247
   LO CAT, HI CB =    -.9457
   HI CAT, LO CB =     .8147
   HI CAT, HI CB =    1.0985
```

TEACHER COVERED GRADE LEVEL SPELLING

CB VARIABLE 82 ID # 07282
NUMBER OF VALID SCORES # 58

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8298

DIFFERENCE = .0121 P = .0622

MODEL 2, ACH = CAT + CB R2 = .8168

DIFFERENCE = .0001 P = .8771

MODEL 3, ACH = CAT R2 = .8167

BETA FOR CB IN MODEL 2 = .0892

HI CB = 2.1603 LO CB = 1.2471

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9710
LO CAT, HI CB = -.7784
HI CAT, LO CB = 1.0528
HI CAT, HI CB = .7995

TEACHER COVERED 60-100 PCT OF GRAMMAR MATERIAL

CB VARIABLE 83 ID # 07283
NUMBER OF VALID SCORES # 33

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .7969

DIFFERENCE = .0085 P = .2785

MODEL 2, ACH = CAT + CB R2 = .7884

DIFFERENCE = .0007 P = .7491

MODEL 3, ACH = CAT R2 = .7877

BETA FOR CB IN MODEL 2 = -.0269

HI CB = 2.1381 LO CB = 1.1953

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9554
LO CAT, HI CB = -.8243
HI CAT, LO CB = 1.0146
HI CAT, HI CB = .7712

TEACHER COVERED 60-100 PCT OF LITERATURE MATERIAL

CB VARIABLE 84 ID # 07284
NUMBER OF VALID SCORES # 56

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8579

DIFFERENCE = .0049 P = .1826

MODEL 2, ACH = CAT + CB R2 = .8530

DIFFERENCE = .0001 P = .8206

MODEL 3, ACH = CAT R2 = .8529

BETA FOR CB IN MODEL 2 = .0125

HI CB = 2.1456 LO CB = 1.2115

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9456
LO CAT, HI CB = -.8258
HI CAT, LO CB = .9975
HI CAT, HI CB = .8551

USES DISTRICTS ADOPTED MATH TEXT

CB VARIABLE 85 ID # 07285
NUMBER OF VALID SCORES # 4

MODEL 1, ACH = CAT + CB + CAT*CB R2 =854,0449

DIFFERENCE = 0,0000 P = 1.0000

MODEL 2, ACH = CAT + CB R2 =854,0449

DIFFERENCE = 1,1793 P = 1.0000

MODEL 3, ACH = CAT R2 =852,8656

BETA FOR CB IN MODEL 2 = -2,8571

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

USES HIGHER LEVEL MATERIAL IN ADDITION TO ADOPTED TEXT

CB VARIABLE 86 ID = 07286
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CB + CAT*CB R2 =854,0049

DIFFERENCE = 0,0000 P = 1.0000

MODEL 2, ACH = CAT + CB R2 =854,0049

DIFFERENCE = 1,1793 P = 1.0000

MODEL 3, ACH = CAT R2 =852,0656

BETA FOR CB IN MODEL 2 = -2,0571

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

USES EASIER MATERIALS IN ADDITION TO ADOPTED TEXT

CB VARIABLE 87 ID = 07287
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CB + CAT*CB R2 =854,0049

DIFFERENCE = 0,0000 P = 1.0000

MODEL 2, ACH = CAT + CB R2 =854,0049

DIFFERENCE = 1,1793 P = 1.0000

MODEL 3, ACH = CAT R2 =852,0656

BETA FOR CB IN MODEL 2 = -2,0571

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

TEACHER BELIEVES GRPS, INDIVIDUALS IN CLASS ACCOMPLISH DESIRED OBJECTIVES

CB VARIABLE 88 ID = 07288
NUMBER OF VALID SCORES = 58

MODEL 1, ACH = CAT + CB + CAT*CB R2 = ,8684

DIFFERENCE = ,0003 P = ,7372

MODEL 2, ACH = CAT + CB R2 = ,8681

DIFFERENCE = ,0004 P = ,6848

MODEL 3, ACH = CAT R2 = ,8677

BETA FOR CB IN MODEL 2 = -,0285

HI CB = 2,0642 LO CB = 1,0737

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -,9277
LO CAT, HI CB = -,9368
HI CAT, LO CB = ,9758
HI CAT, HI CB = ,8999

TEACHER EVALUATES SUBGROUPS WITHIN THE CLASS SEPARATELY

CB VARIABLE 89 ID = 07289
NUMBER OF VALID SCORES = 58

MODEL 1, ACH = CAT + CB + CAT*CB R2 = ,8678

DIFFERENCE = ,0000 P = ,9125

MODEL 2, ACH = CAT + CB R2 = ,8678

DIFFERENCE = ,0001 P = ,8629

MODEL 3, ACH = CAT R2 = ,8677

BETA FOR CB IN MODEL 2 = ,0083

HI CB = 1,9263 LO CB = ,9358

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -,9827
LO CAT, HI CB = -,9148
HI CAT, LO CB = ,9274
HI CAT, HI CB = ,9343

ENGLISH TEACHERS CONCENTRATE ESPECIALLY ON
WRITING SKILLS, COMPOSITION, PARAGRAPHS

CB VARIABLE 90 ID = 07290
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8545

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2, ACH = CAT + CB R2 = .8545

DIFFERENCE = .0002 P = .7670

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0133

HI CB = 2.1020 LO CB = 1.2514

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9387
LO CAT, HI CB = -.9122
HI CAT, LO CB = .9122
HI CAT, HI CB = .9387

SPELLING, VOCABULARY

CB VARIABLE 91 ID = 07291
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8559

DIFFERENCE = .0006 P = .5993

MODEL 2, ACH = CAT + CB R2 = .8544

DIFFERENCE = .0001 P = .8261

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0096

HI CB = 2.0564 LO CB = 1.0636

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9084
LO CAT, HI CB = -.9354
HI CAT, LO CB = .8819
HI CAT, HI CB = .9532

GRAMMAR, SENTENCE STRUCTURE

CB VARIABLE 92 ID = 07292
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8571

DIFFERENCE = .0001 P = .8654

MODEL 2, ACH = CAT + CB R2 = .8571

DIFFERENCE = .0028 P = .2382

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0537

HI CB = 2.0196 LO CB = 1.0284

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8721
LO CAT, HI CB = -.9626
HI CAT, LO CB = .9758
HI CAT, HI CB = .8530

READING COMPREHENSION, READING SKILLS

CB VARIABLE 93 ID = 07293
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8551

DIFFERENCE = .0007 P = .5799

MODEL 2, ACH = CAT + CB R2 = .8544

DIFFERENCE = .0001 P = .7967

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0114

HI CB = 1.7089 LO CB = .8205

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9112
LO CAT, HI CB = -.9526
HI CAT, LO CB = .8891
HI CAT, HI CB = .9681

LITERATURE, MYTHOLOGY; EXPOSURE TO, APPRECIATION OF LITERATURE

CB VARIABLE 94 ID = 07294
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0561

DIFFERENCE = .0009 P = .5897

MODEL 2, ACH = CAT + CB R2 = .0553

DIFFERENCE = .0010 P = .4842

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0324

HI CB = 1.0737 LO CB = .0997

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.0865
LO CAT, HI CB = -.0587
HI CAT, LO CB = .9286
HI CAT, HI CB = .9286

SELF-RELIANCE, RESPONSIBILITY, INDEPENDENCE, ETC.

CB VARIABLE 96 ID = 07296
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0554

DIFFERENCE = .0010 P = .4877

MODEL 2, ACH = CAT + CB R2 = .0544

DIFFERENCE = .0001 P = .8249

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0097

HI CB = 1.0671 LO CB = .0129

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.0829
LO CAT, HI CB = -.0701
HI CAT, LO CB = .9037
HI CAT, HI CB = .9031

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VERBAL COMMUNICATION, DISCUSSION ABILITY

CB VARIABLE 95 ID = 07295
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0573

DIFFERENCE = .0022 P = .2941

MODEL 2, ACH = CAT + CB R2 = .0551

DIFFERENCE = .0008 P = .5483

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0284

HI CB = 1.0671 LO CB = .0129

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.0981
LO CAT, HI CB = -.7022
HI CAT, LO CB = .9287
HI CAT, HI CB = .9699

OTHER: LIBRARY RESEARCH, DICTIONARY, SEE RELEVANCE OF CLASSWORK

CB VARIABLE 97 ID = 07297
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0637

DIFFERENCE = .0035 P = .1804

MODEL 2, ACH = CAT + CB R2 = .0603

DIFFERENCE = .0060 P = .0820

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0787

HI CB = 1.5266 LO CB = .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0654
LO CAT, HI CB = -.8953
HI CAT, LO CB = .8769
HI CAT, HI CB = .9424

MATH TEACHERS CONCENTRATE ESPECIALLY ON
BASIC OPERATIONS WITH DECIMALS, PERCENTS, FRACTIONS

CB VARIABLE 98 ID = 87298
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CB + CAT*CB R2 =857,1958

DIFFERENCE =-18,8892 P = 1,0000

MODEL 2, ACH = CAT + CB R2 =875,2850

DIFFERENCE = 20,9778 P = 1,0000

MODEL 3, ACH = CAT R2 =854,3888

BETA FOR CB IN MODEL 2 =-26,9536

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

GEOMETRY, ALGEBRA, HIGH SCHOOL PREPARATION

CB VARIABLE 99 ID = 87299
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CB + CAT*CB R2 =857,1958

DIFFERENCE =-18,8892 P = 1,0000

MODEL 2, ACH = CAT + CB R2 =875,2850

DIFFERENCE = 20,9778 P = 1,0000

MODEL 3, ACH = CAT R2 =854,3888

BETA FOR CB IN MODEL 2 =-26,9536

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

UNDERSTANDING MATH, RELATING TO REAL WORLD

CB VARIABLE100 ID = 87300
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CB + CAT*CB R2 =857,1958

DIFFERENCE =-18,8892 P = 1,0000

MODEL 2, ACH = CAT + CB R2 =875,2850

DIFFERENCE = 20,9778 P = 1,0000

MODEL 3, ACH = CAT R2 =854,3888

BETA FOR CB IN MODEL 2 =-26,9536

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

PERSONAL AND INTELLECTUAL GROWTH

CB VARIABLE 1 ID = 87301
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CB + CAT*CB R2 = 0,0000

DIFFERENCE = 0,0000 P = 1,0000

MODEL 2, ACH = CAT + CB R2 = 0,0000

DIFFERENCE = 0,0000 P = 1,0000

MODEL 3, ACH = CAT R2 = 0,0000

BETA FOR CB IN MODEL 2 = 0,0000

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

TEACHER CONCENTRATES ON THE ABOVE SKILLS BECAUSE
IMPORTANT FOR LATER LIFE

CB VARIABLE 2 ID = 07302
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8594

DIFFERENCE = .0028 P = .2444

MODEL 2, ACH = CAT + CB R2 = .8566

DIFFERENCE = .0003 P = .6848

MODEL 3, ACH = CAT R2 = .8562

BETA FOR CB IN MODEL 2 = .0188

HI CB = 2.1227 LO CB = 1.1658

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8956
LO CAT, HI CB = -.9582
HI CAT, LO CB = .8393
HI CAT, HI CB = .9918

IMPORTANT FOR OTHER CLASSES, HIGH SCHOOL, COLLEGE

CB VARIABLE 3 ID = 07303
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8628

DIFFERENCE = .0052 P = .1074

MODEL 2, ACH = CAT + CB R2 = .8568

DIFFERENCE = .0006 P = .6828

MODEL 3, ACH = CAT R2 = .8562

BETA FOR CB IN MODEL 2 = -.0249

HI CB = 1.6095 LO CB = .8814

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9987
LO CAT, HI CB = -.7932
HI CAT, LO CB = 1.0189
HI CAT, HI CB = .8632

NEEDED THIS MOST; HAD BEEN NEGLECTED; WERE FAR BEHIND

CB VARIABLE 4 ID = 07304
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8626

DIFFERENCE = .0028 P = .3185

MODEL 2, ACH = CAT + CB R2 = .8606

DIFFERENCE = .0043 P = .1465

MODEL 3, ACH = CAT R2 = .8562

BETA FOR CB IN MODEL 2 = -.0681

HI CB = 1.5350 LO CB = .7938

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8781
LO CAT, HI CB = -.9652
HI CAT, LO CB = 1.0314
HI CAT, HI CB = .7673

OF DISTRICT GUIDELINES, STANDARD OBJECTIVE, ETC,

CB VARIABLE 5 ID = 07305
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8626

DIFFERENCE = .0024 P = .2756

MODEL 2, ACH = CAT + CB R2 = .8602

DIFFERENCE = .0040 P = .1574

MODEL 3, ACH = CAT R2 = .8562

BETA FOR CB IN MODEL 2 = -.0668

HI CB = 1.5084 LO CB = .7929

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9739
LO CAT, HI CB = -.8182
HI CAT, LO CB = 1.0489
HI CAT, HI CB = .8592

OTHER: EXPAND INTELLECT; LAST CHANCE TO GET IT, PERSONAL REASONS, ETC.

```
CB VARIABLE  6       ID = 07306
NUMBER OF VALID SCORES =    73

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =    .8009

   DIFFERENCE =    .0007   P =    .1288

MODEL 2, ACH = CAT + CB             R2 =    .8563

   DIFFERENCE =    .0001   P =    .8688

MODEL 3, ACH = CAT                  R2 =    .8562

BETA FOR CB IN MODEL 2 =    .0073

HI CB =     1.0991   LO CB =     .8215

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -1.0011
   LO CAT, HI CB =    -.8021
   HI CAT, LO CB =     .9087
   HI CAT, HI CB =     .8835
```

LEARNING OR MEMORIZATION OF SPECIFIC FACTS

```
CB VARIABLE  8       ID = 07308
NUMBER OF VALID SCORES =    56

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =    .8521

   DIFFERENCE =    .0003   P =    .2218

MODEL 2, ACH = CAT + CB             R2 =    .8478

   DIFFERENCE =    .0003   P =    .7496

MODEL 3, ACH = CAT                  R2 =    .8475

BETA FOR CB IN MODEL 2 =   -.0176

HI CB =     1.7375   LO CB =     .8348

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9719
   LO CAT, HI CB =    -.7984
   HI CAT, LO CB =     .9994
   HI CAT, HI CB =     .8502
```


TEACHER ASSIGNS LESS IMPORTANCE TO GRAMMAR, LINGUISTICS

```
CB VARIABLE  7       ID = 07307
NUMBER OF VALID SCORES =    56

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =    .8484

   DIFFERENCE =    .0006   P =    .6636

MODEL 2, ACH = CAT + CB             R2 =    .8478

   DIFFERENCE =    .0003   P =    .7549

MODEL 3, ACH = CAT                  R2 =    .8475

BETA FOR CB IN MODEL 2 =   -.0172

HI CB =     1.9238   LO CB =     .9337

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9267
   LO CAT, HI CB =    -.9066
   HI CAT, LO CB =     .9686
   HI CAT, HI CB =     .8886
```

SPELLING, VOCABULARY, LITERATURE

```
CB VARIABLE  9       ID = 07309
NUMBER OF VALID SCORES =    56

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =    .8485

   DIFFERENCE =    .0008   P =    .0182

MODEL 2, ACH = CAT + CB             R2 =    .8477

   DIFFERENCE =    .0002   P =    .8081

MODEL 3, ACH = CAT                  R2 =    .8475

BETA FOR CB IN MODEL 2 =    .0137

HI CB =     1.8591   LO CB =     .8989

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8988
   LO CAT, HI CB =    -.9210
   HI CAT, LO CB =     .8840
   HI CAT, HI CB =     .9764
```

GEOMETRY, ALGEBRA, TRIG

CB VARIABLE 10 ID = 07310
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CB + CAT*CB R2 =848,9813

DIFFERENCE = 0,0000 P = 1,0000

MODEL 2, ACH = CAT + CB R2 =848,9813

DIFFERENCE = 1,4427 P = 1,0000

MODEL 3, ACH = CAT R2 =847,5386

BETA FOR CB IN MODEL 2 = 2,2310

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

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VARIOUS NUMBER BASE SYSTEMS

CB VARIABLE 11 ID = 07311
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CB + CAT*CB R2 =848,9813

DIFFERENCE = 0,0000 P = 1,0000

MODEL 2, ACH = CAT + CB R2 =848,9813

DIFFERENCE = 1,4427 P = 1,0000

MODEL 3, ACH = CAT R2 =847,5386

BETA FOR CB IN MODEL 2 = 2,2310

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

NUMBER THEORY, PROBABILITY, STATISTICS, SETS, PROPERTIES

CB VARIABLE 12 ID = 07312
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CB + CAT*CB R2 =848,9813

DIFFERENCE = 0,0000 P = 1,0000

MODEL 2, ACH = CAT + CB R2 =848,9813

DIFFERENCE = 1,4427 P = 1,0000

MODEL 3, ACH = CAT R2 =847,5386

BETA FOR CB IN MODEL 2 = 2,2310

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

OTHER: PERCENT, FRACTIONS, DECIMALS, ET C,

CB VARIABLE 13 ID = 07313
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CB + CAT*CB R2 =848,9813

DIFFERENCE = 0,0000 P = 1,0000

MODEL 2, ACH = CAT + CB R2 =848,9813

DIFFERENCE = 1,4427 P = 1,0000

MODEL 3, ACH = CAT R2 =847,5386

BETA FOR CB IN MODEL 2 = 2,2310

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

TEACHER ASSIGNS LESS IMPORTANCE BECAUSE
LESS IMPORTANT FOR LATER LIFE

CB VARIABLE 14 ID = 07314
NUMBER OF VALID SCORES = 69

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0599

DIFFERENCE = .0018 P = .5488

MODEL 2, ACH = CAT + CB R2 = .0589

DIFFERENCE = .0018 P = .3588

MODEL 3, ACH = CAT R2 = .0571

BETA FOR CB IN MODEL 2 = .0432

HI CB = 1.7849 LO CB = .8528

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9928
LO CAT, HI CB = -.8281
HI CAT, LO CB = .9852
HI CAT, HI CB = .9288

OF LACK OF TIME

CB VARIABLE 15 ID = 07315
NUMBER OF VALID SCORES = 69

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0660

DIFFERENCE = .0025 P = .2868

MODEL 2, ACH = CAT + CB R2 = .0575

DIFFERENCE = .0004 P = .0845

MODEL 3, ACH = CAT R2 = .0571

BETA FOR CB IN MODEL 2 = .0212

HI CB = 1.8317 LO CB = .8132

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9121
LO CAT, HI CB = -.7030
HI CAT, LO CB = .8252
HI CAT, HI CB = 1.2684

[illegible] ORDINALLY, STUDENTS NOT PREPARED

CB VARIABLE 16 ID = 07316
NUMBER OF VALID SCORES = 69

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0588

DIFFERENCE = .0000 P = .9889

MODEL 2, ACH = CAT + CB R2 = .0587

DIFFERENCE = .0017 P = .3841

MODEL 3, ACH = CAT R2 = .0571

BETA FOR CB IN MODEL 2 = .0414

HI CB = 1.2470 LO CB = .8395

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9736
LO CAT, HI CB = -.8015
HI CAT, LO CB = .8882
HI CAT, HI CB = .9776

MEMORIZING NOT AS IMPORTANT AS UNDERSTANDING CONCEPTS

CB VARIABLE 17 ID = 07317
NUMBER OF VALID SCORES = 69

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8662

DIFFERENCE = .0037 P = .1801

MODEL 2, ACH = CAT + CB R2 = .8625

DIFFERENCE = .0054 P = .1484

MODEL 3, ACH = CAT R2 = .8571

BETA FOR CB IN MODEL 2 = -.0745

HI CB = 1.5529 LO CB = .7949

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7880
LO CAT, HI CB = -1.0187
HI CAT, LO CB = .9183
HI CAT, HI CB = .9180

ALL AREAS ARE IMPORTANT; NONE GIVEN LESS IMPORTANCE

CB VARIABLE 19 ID = 07319
NUMBER OF VALID SCORES = 69

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8577

DIFFERENCE = .0001 P = .8648

MODEL 2, ACH = CAT + CB R2 = .8576

DIFFERENCE = .0005 P = .6283

MODEL 3, ACH = CAT R2 = .8571

BETA FOR CB IN MODEL 2 = -.0238

HI CB = 1.0299 LO CB = .8869

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9166
LO CAT, HI CB = -.9427
HI CAT, LO CB = .9624
HI CAT, HI CB = .9869

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STUDENTS DONT NEED IT NOW; ALREADY HAD IT; GET IT LATER

CB VARIABLE 18 ID = 07318
NUMBER OF VALID SCORES = 69

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8614

DIFFERENCE = .0018 P = .3743

MODEL 2, ACH = CAT + CB R2 = .8592

DIFFERENCE = .0021 P = .3227

MODEL 3, ACH = CAT R2 = .8571

BETA FOR CB IN MODEL 2 = -.0473

HI CB = 1.3687 LO CB = .8852

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8918
LO CAT, HI CB = -.9587
HI CAT, LO CB = 1.0235
HI CAT, HI CB = .7885

OTHERS MATERIAL FORGOTTEN QUICKLY; THEY NOT TO PUSH TOO HARD, ETC.

CB VARIABLE 20 ID = 07320
NUMBER OF VALID SCORES = 69

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8597

DIFFERENCE = .0016 P = .3927

MODEL 2, ACH = CAT + CB R2 = .8581

DIFFERENCE = .0010 P = .4977

MODEL 3, ACH = CAT R2 = .8571

BETA FOR CB IN MODEL 2 = .0322

HI CB = 1.0539 LO CB = .8898

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9958
LO CAT, HI CB = -.8268
HI CAT, LO CB = .9288
HI CAT, HI CB = .9891

TEACHER SEES AS ADVANTAGES TO BUSSING:
ACHIEVES DESIRED GOALS FOR MINORITIES

CB VARIABLE 21 ID = 07321
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0589

DIFFERENCE = .0046 P = .1308

MODEL 2, ACH = CAT + CB R2 = .0543

DIFFERENCE = .0000 P = .9137

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0047

HI CB = 2.7584 LO CB = .9086

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9984
LO CAT, HI CB = -.0433
HI CAT, LO CB = 1.0021
HI CAT, HI CB = .0512

EXPOSES STUDENTS TO DIFFERENT IDEAS, CULTURE, LIFESTYLE

CB VARIABLE 22 ID = 07322
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0609

DIFFERENCE = .0062 P = .0753

MODEL 2, ACH = CAT + CB R2 = .0547

DIFFERENCE = .0004 P = .6624

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0204

HI CB = 2.0196 LO CB = 1.0204

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8736
LO CAT, HI CB = -.9915
HI CAT, LO CB = .8575
HI CAT, HI CB = 1.0357

BREAKS DOWN PREJUDICE; KIDS LEARN TOLERANCE, UNDERSTANDING

CB VARIABLE 23 ID = 07323
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0547

DIFFERENCE = .0001 P = .8607

MODEL 2, ACH = CAT + CB R2 = .0546

DIFFERENCE = .0003 P = .6941

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0179

HI CB = 1.7089 LO CB = .8245

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9131
LO CAT, HI CB = -.9357
HI CAT, LO CB = .9456
HI CAT, HI CB = .8981

MINORITIES GET BETTER EDUCATION, FACILITIES; MORE OPPORTUNITIES

CB VARIABLE 24 ID = 07324
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0593

DIFFERENCE = .0041 P = .1518

MODEL 2, ACH = CAT + CB R2 = .0552

DIFFERENCE = .0009 P = .5149

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0298

HI CB = 1.7089 LO CB = .8245

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0146
LO CAT, HI CB = -.8155
HI CAT, LO CB = .9547
HI CAT, HI CB = .8788

TEACHER SEES NO ADVANTAGES TO BUSING

```
CB VARIABLE 25      ID = 07525
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .0588

   DIFFERENCE =   .0042   P =   .1488

MODEL 2, ACH = CAT + CB            R2 =   .0546

   DIFFERENCE =   .0003   P =   .7090

MODEL 3, ACH = CAT                 R2 =   .0543

BETA FOR CB IN MODEL 2 =   .0173

HI CB =    1.3513   LO CB =     .0887

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -1.0669
   LO CAT, HI CB =    -.6996
   HI CAT, LO CB =     .9373
   HI CAT, HI CB =     .9130
```

TEACHER SEES AS DISADVANTAGES TO BUSSING:
TIME SPENT ON BUSSES MAKES KIDS TIRED, UPSET; HAVE TO COME SO FAR

```
CB VARIABLE 27      ID = 07527
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .0583

   DIFFERENCE =   .0008   P =   .5287

MODEL 2, ACH = CAT + CB            R2 =   .0575

   DIFFERENCE =   .0032   P =   .2052

MODEL 3, ACH = CAT                 R2 =   .0543

BETA FOR CB IN MODEL 2 =   .0567

HI CB =    1.6453   LO CB =     .0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9571
   LO CAT, HI CB =    -.8982
   HI CAT, LO CB =     .8425
   HI CAT, HI CB =    1.0189
```

OTHERS SATISFIES COURTS; POLITICAL ADVANTAGES; INTEGRATES NEIGHBORHOOD

```
CB VARIABLE 26      ID = 07526
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .0576

   DIFFERENCE =   .0016   P =   .3819

MODEL 2, ACH = CAT + CB            R2 =   .0561

   DIFFERENCE =   .0017   P =   .3557

MODEL 3, ACH = CAT                 R2 =   .0543

BETA FOR CB IN MODEL 2 =   .0434

HI CB =    1.3513   LO CB =     .0887

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9684
   LO CAT, HI CB =    -.8912
   HI CAT, LO CB =     .8169
   HI CAT, HI CB =    1.0937
```

DOWNGRADES EDUCATION; HURTS CAPABLE KIDS

```
CB VARIABLE 28      ID = 07528
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .0611

   DIFFERENCE =   .0068   P =   .0674

MODEL 2, ACH = CAT + CB            R2 =   .0545

   DIFFERENCE =   .0002   P =   .7559

MODEL 3, ACH = CAT                 R2 =   .0543

BETA FOR CB IN MODEL 2 =   -.0181

HI CB =    1.6000   LO CB =     .0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9966
   LO CAT, HI CB =    -.8125
   HI CAT, LO CB =    1.0141
   HI CAT, HI CB =     .8285
```

MINORITIES FEEL INFERIOR, FRUSTRATED COMPETING W/ADVANTAGED WHITES

CB VARIABLE 29 ID = 07329
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0582

DIFFERENCE = .0003 P = .7164

MODEL 2, ACH = CAT + CB R2 = .0580

DIFFERENCE = .0036 P = .1748

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0888

HI CB = 1.7678 LO CB = .8456

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9615
LO CAT, HI CB = -.8725
HI CAT, LO CB = .8387
HI CAT, HI CB = .9885

KIDS, PARENTS CANT BE IN EXTRA-CIRRICULAR ACTIVITIES, PTA, ETC,

CB VARIABLE 30 ID = 07330
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0765

DIFFERENCE = .0104 P = .0159

MODEL 2, ACH = CAT + CB R2 = .0661

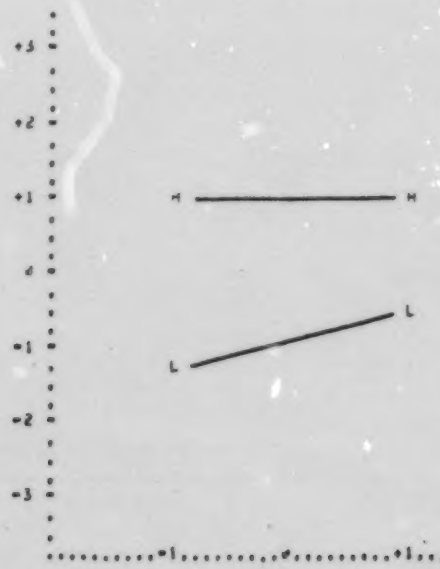
DIFFERENCE = .0118 P = .0134

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .1093

HI CB = 1.4154 LO CB = .7988

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.1934
LO CAT, HI CB = -.5838
HI CAT, LO CB = .9823
HI CAT, HI CB = .8761



DESTROYS NEIGHBORHOOD CONCEPT; KIDS DONT IDENTIFY W/NEW SCHOOL

CB VARIABLE 31 ID = 07331
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0597

DIFFERENCE = .0038 P = .1648

MODEL 2, ACH = CAT + CB R2 = .0559

DIFFERENCE = .0016 P = .3759

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0402

HI CB = 1.0858 LO CB = .9249

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.0028
LO CAT, HI CB = -.0408
HI CAT, LO CB = .0263
HI CAT, HI CB = 1.0320

CAUSES DISRUPTION, TENSION, RACIAL CONFLICT

CB VARIABLE 33 ID = 07333
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0573

DIFFERENCE = .0000 P = .9362

MODEL 2, ACH = CAT + CB R2 = .0573

DIFFERENCE = .0030 P = .2214

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0548

HI CB = 1.5519 LO CB = .7948

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.0622
LO CAT, HI CB = -.9775
HI CAT, LO CB = .0715
HI CAT, HI CB = .8691

BUSED KIDS FEEL ANGRY, RESENTFUL; HOLD NEGATIVE ATTITUDES

CB VARIABLE 32 ID = 07332
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0548

DIFFERENCE = .0004 P = .6683

MODEL 2, ACH = CAT + CB R2 = .0544

DIFFERENCE = .0001 P = .7979

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0113

HI CB = 1.7678 LO CB = .8456

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9312
LO CAT, HI CB = -.9153
HI CAT, LO CB = .9536
HI CAT, HI CB = .8884

ONE-WAY BUSING WONT WORK; UNFAIR; ONLY BLACKS ARE BUSED

CB VARIABLE 34 ID = 07334
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0549

DIFFERENCE = .0005 P = .6179

MODEL 2, ACH = CAT + CB R2 = .0543

DIFFERENCE = .0000 P = .9284

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0039

HI CB = 1.2784 LO CB = .8286

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9859
LO CAT, HI CB = -.9856
HI CAT, LO CB = .9894
HI CAT, HI CB = .9818

OTHERS BLACKS MISS OUT ON OWN CULTURE TEACHER CANT COPE; ISNT HELPING

```
CB VARIABLE 35       ID # 07335
NUMBER OF VALID SCORES #    75

MODEL 1, ACH # CAT + CB + CAT*CB    R2 #   .0595

   DIFFERENCE #   .0026   P #   .2584

MODEL 2, ACH # CAT + CB             R2 #   .0569

   DIFFERENCE #   .0026   P #   .2539

MODEL 3, ACH # CAT                  R2 #   .0543

BETA FOR CB IN MODEL 2 #  -.0523

HI CB #    1.0671   LO CB #     .0129

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB #    -.8497
   LO CAT, HI CB #    -.9899
   HI CAT, LO CB #     .9110
   HI CAT, HI CB #     .9313
```


WORKS WITH FELLOW TEACHERS IN HER SUBJECT MATTER

```
CB VARIABLE 36       ID # 07336
NUMBER OF VALID SCORES #    73

MODEL 1, ACH # CAT + CB + CAT*CB    R2 #   .0727

   DIFFERENCE #   .0000   P #   .5065

MODEL 2, ACH # CAT + CB             R2 #   .0720

   DIFFERENCE #   .0018   P #   .3306

MODEL 3, ACH # CAT                  R2 #   .0703

BETA FOR CB IN MODEL 2 #  -.0024

HI CB #    2.7668   LO CB #    1.0014

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB #    -.8548
   LO CAT, HI CB #    -.9859
   HI CAT, LO CB #     .9348
   HI CAT, HI CB #     .9692
```


TEACHER INTERACTS WITH OTHER TEACHERS:
SHARING IDEAS, MATERIALS; PLANNING UNITS

```
CB VARIABLE 37       ID # 07337
NUMBER OF VALID SCORES #    58

MODEL 1, ACH # CAT + CB + CAT*CB    R2 #   .0652

   DIFFERENCE #   .0065   P #   .1082

MODEL 2, ACH # CAT + CB             R2 #   .0588

   DIFFERENCE #   .0015   P #   .0838

MODEL 3, ACH # CAT                  R2 #   .0572

BETA FOR CB IN MODEL 2 #  -.0396

HI CB #    1.8654   LO CB #     .8946

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB #    -.9689
   LO CAT, HI CB #    -.8962
   HI CAT, LO CB #    1.0381
   HI CAT, HI CB #     .7887
```

FORMAL STRUCTURED MEETINGS, CURRICULUM DAY; DEPARTMENT MEETINGS

```
CB VARIABLE 38       ID # 07338
NUMBER OF VALID SCORES #    58

MODEL 1, ACH # CAT + CB + CAT*CB    R2 #   .0599

   DIFFERENCE #   .0001   P #   .8931

MODEL 2, ACH # CAT + CB             R2 #   .0598

   DIFFERENCE #   .0026   P #   .3569

MODEL 3, ACH # CAT                  R2 #   .0572

BETA FOR CB IN MODEL 2 #   .0514

HI CB #    1.7865   LO CB #     .8535

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB #    -.9781
   LO CAT, HI CB #    -.8599
   HI CAT, LO CB #     .8755
   HI CAT, HI CB #     .9657
```

MEETING INFORMALLY IN LOUNGE, RAPPING IN HALLS

CB VARIABLE 39 ID # 07539
NUMBER OF VALID SCORES # 58

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .0585

DIFFERENCE # .0086 P # .0257

MODEL 2, ACH # CAT + CB R2 # .0577

DIFFERENCE # .0005 P # .6979

MODEL 3, ACH # CAT R2 # .0572

BETA FOR CB IN MODEL 2 # -.0225

HI CB # 1.0000 LO CB # .0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # -.0004
LO CAT, HI CB # -.9880
HI CAT, LO CB # .9168
HI CAT, HI CB # .9216

CONTACT LIMITED BY COMMUNITY/TEAM STRUCTURE OF FACULTY

CB VARIABLE 48 ID # 07548
NUMBER OF VALID SCORES # 58

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .0705

DIFFERENCE # .0120 P # .0418

MODEL 2, ACH # CAT + CB R2 # .0585

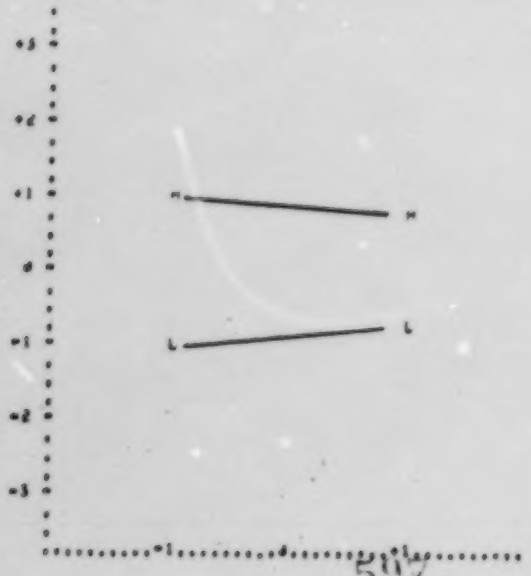
DIFFERENCE # .0013 P # .5283

MODEL 3, ACH # CAT R2 # .0572

BETA FOR CB IN MODEL 2 # -.0355

HI CB # 1.0000 LO CB # .7050

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # -1.0690
LO CAT, HI CB # -.6350
HI CAT, LO CB # 1.1029
HI CAT, HI CB # .6673



HAS SUPERVISORY ROLE: DEPARTMENT CHAIRMAN, COORDINATOR, ETC.

CB VARIABLE 41 ID = 07341
NUMBER OF VALID SCORES = 98

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0595

DIFFERENCE = .0002 P = .9681

MODEL 2, ACH = CAT + CB R2 = .0593

DIFFERENCE = .0023 P = .3067

MODEL 3, ACH = CAT R2 = .0572

BETA FOR CB IN MODEL 2 = .0484

HI CB = 1.0986 LO CB = .0214

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9674
LO CAT, HI CB = -.8746
HI CAT, LO CB = .8786
HI CAT, HI CB = .9726

TEACHER WORKS WITH SCHOOL COUNSELOR:
AS LITTLE AS POSSIBLE OR NOT AT ALL

CB VARIABLE 42 ID = 07342
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0649

DIFFERENCE = .0004 P = .6598

MODEL 2, ACH = CAT + CB R2 = .0645

DIFFERENCE = .0102 P = .0215

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.1085

HI CB = 1.4458 LO CB = .7958

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7857
LO CAT, HI CB = -.9973
HI CAT, LO CB = 1.0278
HI CAT, HI CB = .7214

FOR ACADEMIC SCHEDULING, CHOOSING HIGH SCHOOL COURSES

CB VARIABLE 43 ID = 07343
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0568

DIFFERENCE = .0003 P = .8853

MODEL 2, ACH = CAT + CB R2 = .0565

DIFFERENCE = .0025 P = .2662

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0526

HI CB = 1.3842 LO CB = .8824

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8584
LO CAT, HI CB = -.9619
HI CAT, LO CB = .9694
HI CAT, HI CB = .8687

FOR REFLECTING BEHAVIOR OR EMOTIONAL PROBLEMS FOR COUNSELING

CB VARIABLE 44 ID = 07344
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0579

DIFFERENCE = .0026 P = .2487

MODEL 2, ACH = CAT + CB R2 = .0552

DIFFERENCE = .0008 P = .5258

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0291

HI CB = 2.9679 LO CB = 1.9787

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9988
LO CAT, HI CB = -.8361
HI CAT, LO CB = .9452
HI CAT, HI CB = .8978

TO GET ADVICE, BACKGROUND INFORMATION, TEST DATA ON STUDENTS

CB VARIABLE 45 ID = 87345
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8682

DIFFERENCE = .0125 P = .0112

MODEL 2, ACH = CAT + CB R2 = .8558

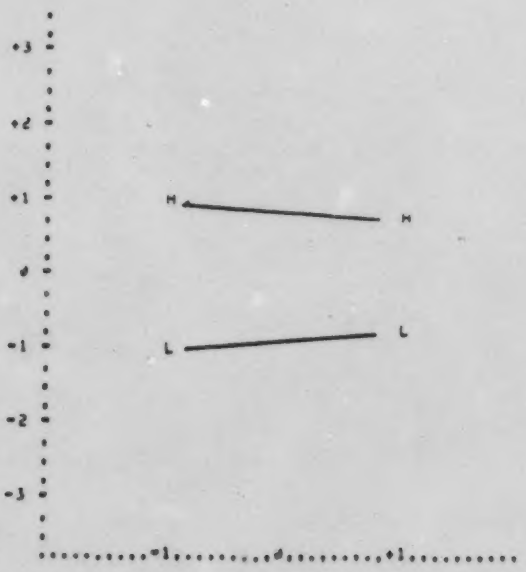
DIFFERENCE = .0015 P = .4007

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0423

HI CB = 2.1292 LO CB = 1.1774

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9783
LO CAT, HI CB = -.7182
HI CAT, LO CB = 1.0551
HI CAT, HI CB = .8433



COUNSELOR LEADS GROUP DISCUSSION, HUMAN RELATIONS PROGRAM, CAREERS

CB VARIABLE 46 ID = 87346
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .6548

DIFFERENCE = .0000 P = .8813

MODEL 2, ACH = CAT + CB R2 = .6547

DIFFERENCE = .0004 P = .6566

MODEL 3, ACH = CAT R2 = .6543

BETA FOR CB IN MODEL 2 = -.0211

HI CB = 1.4450 LO CB = .7950

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8889
LO CAT, HI CB = -.9919
HI CAT, LO CB = .9469
HI CAT, HI CB = .9151

COUNSELOR HAS CONFERENCES WITH TEACHER, STUDENT, PARENT

CB VARIABLE 47 ID = 07547
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0639

DIFFERENCE = .0094 P = .0288

MODEL 2, ACH = CAT + CB R2 = .0545

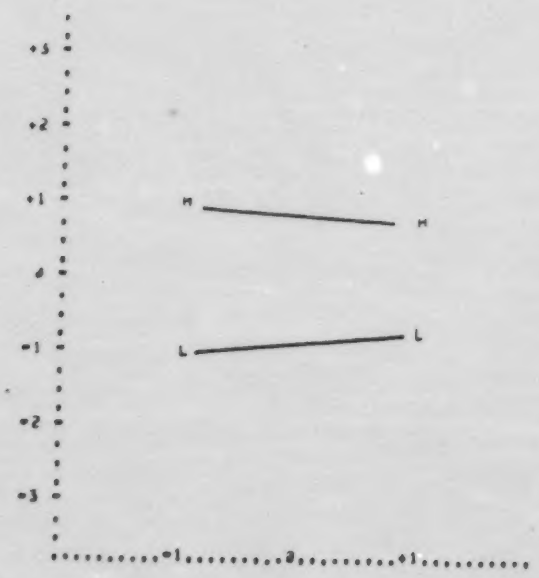
DIFFERENCE = .0002 P = .7477

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0145

HI CB = 1.5266 LO CB = .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0607
LO CAT, HI CB = -.8771
HI CAT, LO CB = 1.0085
HI CAT, HI CB = .7721



OTHER: WORK W/ COUNSELOR DURING RETREATS, OVER LUNCH, ETC.

CB VARIABLE 48 ID = 07548
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0645

DIFFERENCE = .0061 P = .0744

MODEL 2, ACH = CAT + CB R2 = .0584

DIFFERENCE = .0041 P = .1479

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0644

HI CB = 1.5763 LO CB = .7978

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0656
LO CAT, HI CB = -.7577
HI CAT, LO CB = .9297
HI CAT, HI CB = .9157

TEACHER HAS HAD A STUDENT TEACHER

CB VARIABLE 49 ID = 07549
NUMBER OF VALID SCORES = 65

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0753

DIFFERENCE = .0031 P = .2219

MODEL 2, ACH = CAT + CB R2 = .0722

DIFFERENCE = .0047 P = .1543

MODEL 3, ACH = CAT R2 = .0676

BETA FOR CB IN MODEL 2 = .0740

HI CB = 2.0076 LO CB = 1.0078

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0081
LO CAT, HI CB = -.7342
HI CAT, LO CB = .9025
HI CAT, HI CB = .9340

ADVANTAGES OF HAVING A STUDENT TEACHER:
GET NEW IDEAS, LEARN FROM THEM

```
CB VARIABLE 50       ID = 07350
NUMBER OF VALID SCORES =    49

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0359

   DIFFERENCE =   .0000   P =   .9330

MODEL 2, ACH = CAT + CB             R2 =   .0358

   DIFFERENCE =   .0001   P =   .8585

MODEL 3, ACH = CAT                  R2 =   .0357

BETA FOR CB IN MODEL 2 =  -.0111

HI CB =   2.0995   LO CB =   1.1259

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9880
   LO CAT, HI CB =    -.9215
   HI CAT, LO CB =     .9327
   HI CAT, HI CB =     .9885
```

MORE TEACHING CAPACITY; DOUBLES TEACHER-STUDENT RATIO

```
CB VARIABLE 51       ID = 07351
NUMBER OF VALID SCORES =    49

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0361

   DIFFERENCE =   .0003   P =   .7812

MODEL 2, ACH = CAT + CB             R2 =   .0359

   DIFFERENCE =   .0002   P =   .8282

MODEL 3, ACH = CAT                  R2 =   .0357

BETA FOR CB IN MODEL 2 =  -.0126

HI CB =   1.6749   LO CB =    .8149

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9163
   LO CAT, HI CB =    -.9868
   HI CAT, LO CB =     .9423
   HI CAT, HI CB =     .8775
```


TEACHER HAS MORE TIME FOR PLANNING, CLERICAL WORK

```
CB VARIABLE 52       ID = 07352
NUMBER OF VALID SCORES =    49

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0386

   DIFFERENCE =   .0026   P =   .4848

MODEL 2, ACH = CAT + CB             R2 =   .0360

   DIFFERENCE =   .0002   P =   .7899

MODEL 3, ACH = CAT                  R2 =   .0357

BETA FOR CB IN MODEL 2 =  -.0162

HI CB =   1.5329   LO CB =    .7937

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9388
   LO CAT, HI CB =    -.9164
   HI CAT, LO CB =     .9885
   HI CAT, HI CB =     .8181
```

PROFESSIONAL DUTY TO HELP NEW TEACHERS; GOOD, REWARDING FEELINGS

```
CB VARIABLE 53       ID = 07353
NUMBER OF VALID SCORES =    49

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0437

   DIFFERENCE =   .0000   P =  1.0000

MODEL 2, ACH = CAT + CB             R2 =   .0437

   DIFFERENCE =   .0080   P =   .1272

MODEL 3, ACH = CAT                  R2 =   .0357

BETA FOR CB IN MODEL 2 =   .0906

HI CB =   1.4928   LO CB =    .7929

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9959
   LO CAT, HI CB =    -.8159
   HI CAT, LO CB =     .8159
   HI CAT, HI CB =     .9959
```

GUOD FOR KIDS TO BE EXPOSED TO NEW PERSON, DIFFERENT TECHNIQUES

CB VARIABLE 54 ID = 07354
NUMBER OF VALID SCORES = 49

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0383

DIFFERENCE = .0018 P = .0855

MODEL 2, ACH = CAT + CB R2 = .0365

DIFFERENCE = .0008 P = .6076

MODEL 3, ACH = CAT R2 = .0357

BETA FOR CB IN MODEL 2 = .0278

HI CB = 1.5709 LO CB = .7965

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9872
LO CAT, HI CB = -.8553
HI CAT, LO CB = .9313
HI CAT, HI CB = .9120

OTHERS SEE HOW KIDS REACT WITH SOMEONE ELSE, ETC.

CB VARIABLE 55 ID = 07355
NUMBER OF VALID SCORES = 49

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0365

DIFFERENCE = .0001 P = .8773

MODEL 2, ACH = CAT + CB R2 = .0364

DIFFERENCE = .0007 P = .6637

MODEL 3, ACH = CAT R2 = .0357

BETA FOR CB IN MODEL 2 = -.0266

HI CB = 1.7955 LO CB = .8576

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8744
LO CAT, HI CB = -.9434
HI CAT, LO CB = .9284
HI CAT, HI CB = .8937

DISADVANTAGES OF HAVING A STUDENT TEACHER:
HAS NEGATIVE EXPECTATIONS FOR EFFECTIVENESS OF STUDENT TEACHER

CB VARIABLE 56 ID = 07356
NUMBER OF VALID SCORES = 47

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0231

DIFFERENCE = .0000 P = .9569

MODEL 2, ACH = CAT + CB R2 = .0231

DIFFERENCE = .0006 P = .7039

MODEL 3, ACH = CAT R2 = .0225

BETA FOR CB IN MODEL 2 = -.0252

HI CB = 2.1188 LO CB = 1.1578

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8863
LO CAT, HI CB = -.9427
HI CAT, LO CB = .9349
HI CAT, HI CB = .8912

DISCIPLINE PROBLEMS DEVELOP WITH A STUDENT TEACHER

CB VARIABLE 57 ID = 07357
NUMBER OF VALID SCORES = 47

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0226

DIFFERENCE = .0001 P = .8741

MODEL 2, ACH = CAT + CB R2 = .0225

DIFFERENCE = .0004 P = .9782

MODEL 3, ACH = CAT R2 = .0225

BETA FOR CB IN MODEL 2 = .0016

HI CB = 1.9200 LO CB = .9311

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9188
LO CAT, HI CB = -.8963
HI CAT, LO CB = .9148
HI CAT, HI CB = .8980

STUDENT TEACHERS ARE TIME CONSUMING, A LOT OF WORK

CB VARIABLE 58 ID = 07358
NUMBER OF VALID SCORES = 47

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8251

DIFFERENCE = .0001 P = .9987

MODEL 2, ACH = CAT + CB R2 = .8251

DIFFERENCE = .0026 P = .8284

MODEL 3, ACH = CAT R2 = .8225

BETA FOR CB IN MODEL 2 = .9534

HI CB = 1.7853 LO CB = .8538

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9689
LO CAT, HI CB = -.8710
HI CAT, LO CB = .9684
HI CAT, HI CB = .9855

STUDENTS HAVE PROBLEMS ADJUSTING TO NEW TEACHER

CB VARIABLE 59 ID = 07359
NUMBER OF VALID SCORES = 47

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8250

DIFFERENCE = .0028 P = .8147

MODEL 2, ACH = CAT + CB R2 = .8229

DIFFERENCE = .0005 P = .7288

MODEL 3, ACH = CAT R2 = .8225

BETA FOR CB IN MODEL 2 = -.0222

HI CB = 1.5468 LO CB = .7944

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9334
LO CAT, HI CB = -.8846
HI CAT, LO CB = .9835
HI CAT, HI CB = .9196

TEACHER LOSES CONTACT WITH STUDENTS

CB VARIABLE 60 ID = 07360
NUMBER OF VALID SCORES = 47

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8692

DIFFERENCE = .0029 P = .3334

MODEL 2, ACH = CAT + CB R2 = .8663

DIFFERENCE = .0438 P = .0007

MODEL 3, ACH = CAT R2 = .8225

BETA FOR CB IN MODEL 2 = -.2246

HI CB = 1.6228 LO CB = .8935

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.5312
LO CAT, HI CB = -1.0654
HI CAT, LO CB = .9811
HI CAT, HI CB = .6636

OTHER DISADVANTAGES OF HAVING A STUDENT TEACHER

CB VARIABLE 61 ID = 07361
NUMBER OF VALID SCORES = 47

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8315

DIFFERENCE = .0069 P = .1887

MODEL 2, ACH = CAT + CB R2 = .8246

DIFFERENCE = .0021 P = .4762

MODEL 3, ACH = CAT R2 = .8225

BETA FOR CB IN MODEL 2 = -.0486

HI CB = 1.5468 LO CB = .7944

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0536
LO CAT, HI CB = -.5652
HI CAT, LO CB = 1.0224
HI CAT, HI CB = .8879

TEACHER IS FAMILIAR WITH MATERIAL IN CALIFORNIA ACHIEVEMENT TEST

CB VARIABLE 62 ID = 07362
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CB + CAT*CB R2 =825,1701

DIFFERENCE = -0,0364 P = 1,0000

MODEL 2, ACH = CAT + CB R2 =829,8064

DIFFERENCE = 7,3464 P = 1,0000

MODEL 3, ACH = CAT R2 =822,4601

BETA FOR CB IN MODEL 2 = -9,3335

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

TEACHER FEELS CAT IS ADEQUATE MEASURE OF MATH ABILITY FOR HIS/HER STUDENTS

CB VARIABLE 63 ID = 07363
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CB + CAT*CB R2 =825,1701

DIFFERENCE = -0,0364 P = 1,0000

MODEL 2, ACH = CAT + CB R2 =829,8064

DIFFERENCE = 7,3464 P = 1,0000

MODEL 3, ACH = CAT R2 =822,4601

BETA FOR CB IN MODEL 2 = -9,3335

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

TECHNIQUES FOR TEACHING NON-READERS (IN MATH):
USED REMEDIAL TECHNIQUES TO TEACH MATH TO THOSE WHO CANT READ

CB VARIABLE 64 ID = 07364
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CB + CAT*CB R2 =825,1701

DIFFERENCE = -0,0364 P = 1,0000

MODEL 2, ACH = CAT + CB R2 =829,8064

DIFFERENCE = 7,3464 P = 1,0000

MODEL 3, ACH = CAT R2 =822,4601

BETA FOR CB IN MODEL 2 = -9,3335

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

AVOIDS PROBLEMS TEACHER HAS STUDENTS READ TO NON-READERS

CB VARIABLE 65 ID = 07365
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CB + CAT*CB R2 =825,1701

DIFFERENCE = -0,0364 P = 1,0000

MODEL 2, ACH = CAT + CB R2 =829,8064

DIFFERENCE = 7,3464 P = 1,0000

MODEL 3, ACH = CAT R2 =822,4601

BETA FOR CB IN MODEL 2 = -9,3335

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

AVOIDS PROBLEMS GIVES ORAL DIRECTIONS, EXPLAINS VERBALLY

CB VARIABLE 66 ID = 07367
NUMBER OF VALID SCORES = 8

MODEL 1, ACH = CAT + CB + CAT*CB R2 =825,1701

DIFFERENCE = -0,0364 P = 1,0000

MODEL 2, ACH = CAT + CB R2 =829,8064

DIFFERENCE = 7,3464 P = 1,0000

MODEL 3, ACH = CAT R2 =822,4601

BETA FOR CB IN MODEL 2 = -9,3335

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

OTHERS GAMES, PACKETS, PUZZLES, ETC,

CB VARIABLE 68 ID = 07369
NUMBER OF VALID SCORES = 8

MODEL 1, ACH = CAT + CB + CAT*CB R2 =825,1701

DIFFERENCE = -0,0364 P = 1,0000

MODEL 2, ACH = CAT + CB R2 =829,8064

DIFFERENCE = 7,3464 P = 1,0000

MODEL 3, ACH = CAT R2 =822,4601

BETA FOR CB IN MODEL 2 = -9,3335

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

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AVOIDS PROBLEMS NO WORD PROBLEMS, TAKE READING OUT OF ASSIGNMENTS

CB VARIABLE 67 ID = 07365
NUMBER OF VALID SCORES = 8

MODEL 1, ACH = CAT + CB + CAT*CB R2 =825,1701

DIFFERENCE = -0,0364 P = 1,0000

MODEL 2, ACH = CAT + CB R2 =829,8064

DIFFERENCE = 7,3464 P = 1,0000

MODEL 3, ACH = CAT R2 =822,4601

BETA FOR CB IN MODEL 2 = -9,3335

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

USES BOTH REMEDIATION AND AVOIDANCE TECHNIQUES W/NON-HEADERS

CB VARIABLE 69 ID = 07370
NUMBER OF VALID SCORES = 8

MODEL 1, ACH = CAT + CB + CAT*CB R2 =825,1701

DIFFERENCE = -0,0364 P = 1,0000

MODEL 2, ACH = CAT + CB R2 =829,8064

DIFFERENCE = 7,3464 P = 1,0000

MODEL 3, ACH = CAT R2 =822,4601

BETA FOR CB IN MODEL 2 = -9,3335

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

SLOWER STUDENTS HAVE MADE MORE PROGRESS THAN EXPECTED

CB VARIABLE 70 ID = 07371
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CB + CAT*CB R2 =825,1701

DIFFERENCE = -4,6364 P = 1,0000

MODEL 2, ACH = CAT + CB R2 =829,8064

DIFFERENCE = 7,3464 P = 1,0000

MODEL 3, ACH = CAT R2 =822,4601

BETA FOR CB IN MODEL 2 = -9,3335

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

SOME SLOW STUDENTS HAVE DONE WELL; OTHERS, NOT

CB VARIABLE 71 ID = 07373
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CB + CAT*CB R2 =825,1701

DIFFERENCE = -4,6364 P = 1,0000

MODEL 2, ACH = CAT + CB R2 =829,8064

DIFFERENCE = 7,3464 P = 1,0000

MODEL 3, ACH = CAT R2 =822,4601

BETA FOR CB IN MODEL 2 = -9,3335

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

TEACHER BELIEVES AMOUNT OF PROGRESS IS AFFECTED BY
AMOUNT OF TEACHER-STUDENT CONTACT

CB VARIABLE 72 ID = 07374
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CB + CAT*CB R2 =825,1701

DIFFERENCE = -4,6364 P = 1,0000

MODEL 2, ACH = CAT + CB R2 =829,8064

DIFFERENCE = 7,3464 P = 1,0000

MODEL 3, ACH = CAT R2 =822,4601

BETA FOR CB IN MODEL 2 = -9,3335

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

AFFECTIVE VARIABLES; MOTIVATION, CONFIDENCE, PRAISE, TRUST, ETC.

CB VARIABLE 73 ID = 07375
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CB + CAT*CB R2 =825,1701

DIFFERENCE = -4,6364 P = 1,0000

MODEL 2, ACH = CAT + CB R2 =829,8064

DIFFERENCE = 7,3464 P = 1,0000

MODEL 3, ACH = CAT R2 =822,4601

BETA FOR CB IN MODEL 2 = -9,3335

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

ACADEMIC FACTORS: METHODS, MATERIALS, STUDENT ABILITY

CB VARIABLE 74 ID = 07376
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CB + CAT*CB R2 =825,1701

DIFFERENCE = -8,6364 P = 1,0000

MODEL 2, ACH = CAT + CB R2 =829,8064

DIFFERENCE = 7,3464 P = 1,0000

MODEL 3, ACH = CAT R2 =822,4601

BETA FOR CB IN MODEL 2 = -9,3335

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

OTHER REASONS FOR PROGRESS OR LACK OF IT

CB VARIABLE 75 ID = 07377
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CB + CAT*CB R2 =825,1701

DIFFERENCE = -8,6364 P = 1,0000

MODEL 2, ACH = CAT + CB R2 =829,8064

DIFFERENCE = 7,3464 P = 1,0000

MODEL 3, ACH = CAT R2 =822,4601

BETA FOR CB IN MODEL 2 = -9,3335

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

TEACHER GAVE REASONS FOR STUDENTS PROGRESS

CB VARIABLE 76 ID = 07378
NUMBER OF VALID SCORES = 0

MODEL 1, ACH = CAT + CB + CAT*CB R2 =825,1701

DIFFERENCE = -8,6364 P = 1,0000

MODEL 2, ACH = CAT + CB R2 =829,8064

DIFFERENCE = 7,3464 P = 1,0000

MODEL 3, ACH = CAT R2 =822,4601

BETA FOR CB IN MODEL 2 = -9,3335

HI CB = 0,0000 LO CB = 0,0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = 0,0000
LO CAT, HI CB = 0,0000
HI CAT, LO CB = 0,0000
HI CAT, HI CB = 0,0000

TECHNIQUES USED TO TEACH SPELLING:
BY GOING OVER PRONUNCIATION, MEANING

CB VARIABLE 77 ID = 07379
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = ,6652

DIFFERENCE = ,0014 P = ,4773

MODEL 2, ACH = CAT + CB R2 = ,6642

DIFFERENCE = ,0098 P = ,0238

MODEL 3, ACH = CAT R2 = ,6543

BETA FOR CB IN MODEL 2 = -,1430

HI CB = 1,5763 LO CB = ,7970

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -,8274
LO CAT, HI CB = -,9979
HI CAT, LO CB = 1,8379
HI CAT, HI CB = ,7579

BY DIVIDING WORDS INTO SYLLABLES

CB VARIABLE 78 ID # 07389
NUMBER OF VALID SCORES # 75

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .8547

DIFFERENCE # .0003 P # .7175

MODEL 2, ACH # CAT + CB R2 # .8544

DIFFERENCE # .0001 P # .8871

MODEL 3, ACH # CAT R2 # .8543

BETA FOR CB IN MODEL 2 # .0107

HI CB # 1.0053 LO CB # .0080

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # -.9184
LO CAT, HI CB # -.9270
HI CAT, LO CB # .8966
HI CAT, HI CB # .9583

BY USING IN SENTENCES, IN CONTEXT

CB VARIABLE 79 ID # 07381
NUMBER OF VALID SCORES # 75

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .8502

DIFFERENCE # .0017 P # .3576

MODEL 2, ACH # CAT + CB R2 # .8504

DIFFERENCE # .0021 P # .3061

MODEL 3, ACH # CAT R2 # .8543

BETA FOR CB IN MODEL 2 # .0064

HI CB # 1.0226 LO CB # .0788

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # -.9361
LO CAT, HI CB # -.9239
HI CAT, LO CB # .8456
HI CAT, HI CB # 1.0333

BY DOING DRILL, WRITTEN EXERCISES, HOMEWORK

CB VARIABLE 80 ID # 07382
NUMBER OF VALID SCORES # 75

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .8603

DIFFERENCE # .0000 P # .9764

MODEL 2, ACH # CAT + CB R2 # .8605

DIFFERENCE # .0062 P # .0736

MODEL 3, ACH # CAT R2 # .8543

BETA FOR CB IN MODEL 2 # -.0798

HI CB # 2.0066 LO CB # 1.0867

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # -.8478
LO CAT, HI CB # -1.0073
HI CAT, LO CB # 1.0048
HI CAT, HI CB # .8493

BY DOING PUZZLES, WORD GAMES, USING FLASH CARDS

CB VARIABLE 81 ID # 07383
NUMBER OF VALID SCORES # 75

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .8553

DIFFERENCE # .0011 P # .8096

MODEL 2, ACH # CAT + CB R2 # .8552

DIFFERENCE # .0009 P # .5218

MODEL 3, ACH # CAT R2 # .8543

BETA FOR CB IN MODEL 2 # -.0294

HI CB # 1.0000 LO CB # .0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # -.9031
LO CAT, HI CB # -.9444
HI CAT, LO CB # .9626
HI CAT, HI CB # .8822

ONAL WORK, REPETITION, BOARD WORK, SPELLING BEES

CB VARIABLE 82 ID = 07384
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8569

DIFFERENCE = .0001 P = .8596

MODEL 2, ACH = CAT + CB R2 = .8568

DIFFERENCE = .0025 P = .2628

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0504

HI CB = 1.7678 LO CB = .8456

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8798
LO CAT, HI CB = -.9660
HI CAT, LO CB = .9798
HI CAT, HI CB = .8635

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/EARN RULES, PHONETIC CONCEPTS

CB VARIABLE 83 ID = 07385
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8603

DIFFERENCE = .0022 P = .2895

MODEL 2, ACH = CAT + CB R2 = .8580

DIFFERENCE = .0037 P = .1099

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0611

HI CB = 1.8226 LO CB = .8708

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9366
LO CAT, HI CB = -.9126
HI CAT, LO CB = .8127
HI CAT, HI CB = 1.0272

STRESS RECOGNITION OF WORD ROOT, PREFIX, SUFFIX

CB VARIABLE 84 ID = 07386
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8568

DIFFERENCE = .0001 P = .7888

MODEL 2, ACH = CAT + CB R2 = .8567

DIFFERENCE = .0024 P = .2758

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0502

HI CB = 1.6238 LO CB = .8837

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9769
LO CAT, HI CB = -.8352
HI CAT, LO CB = .8720
HI CAT, HI CB = .9537

GIVE TESTS; EITHER PRETEST OR END OF UNIT TEST

CB VARIABLE 85 ID = 07387
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8591

DIFFERENCE = .0037 P = .1758

MODEL 2, ACH = CAT + CB R2 = .8554

DIFFERENCE = .0011 P = .4698

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0353

HI CB = 1.6883 LO CB = .8184

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9777
LO CAT, HI CB = -.7488
HI CAT, LO CB = 1.0109
HI CAT, HI CB = .8384

OTHER: INDIVIDUALIZE MEMORIZE, DO DICTIONARY WORK

CB VARIABLE 86 ID = 07388
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8605

DIFFERENCE = .0062 P = .8778

MODEL 2, ACH = CAT + CB R2 = .8543

DIFFERENCE = .0000 P = .9671

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0018

HI CB = 1.6226 LO CB = .6788

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9895
LO CAT, HI CB = -.7952
HI CAT, LO CB = .9960
HI CAT, HI CB = .8357

USED INDIVIDUAL SEAT-WORK ONLY TO TEACH SPELLING

CB VARIABLE 87 ID = 07389
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8546

DIFFERENCE = .0001 P = .8296

MODEL 2, ACH = CAT + CB R2 = .8545

DIFFERENCE = .0002 P = .7814

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0139

HI CB = 1.6571 LO CB = .8129

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9314
LO CAT, HI CB = -.9178
HI CAT, LO CB = .9831
HI CAT, HI CB = .9534

USED WHILE CLASS ACTIVITIES ONLY TO TEACH SPELLING

CB VARIABLE 88 ID = 07390
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8546

DIFFERENCE = .0001 P = .7938

MODEL 2, ACH = CAT + CB R2 = .8545

DIFFERENCE = .0002 P = .7579

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0138

HI CB = 1.5266 LO CB = .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9586
LO CAT, HI CB = -.8679
HI CAT, LO CB = .9213
HI CAT, HI CB = .9293

USED BOTH SEAT-WORK AND CLASS ACTIVITIES TO TEACH SPELLING

CB VARIABLE 89 ID = 07391
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8548

DIFFERENCE = .0004 P = .9644

MODEL 2, ACH = CAT + CB R2 = .8548

DIFFERENCE = .0005 P = .6297

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0224

HI CB = 2.0899 LO CB = 1.1101

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9867
LO CAT, HI CB = -.9485
HI CAT, LO CB = .9522
HI CAT, HI CB = .9844

FOR NON-READERS, USE SPECIAL MATERIALS; HIGH INTEREST, LOWER LEVEL

CB VARIABLE 90 ID # 07392
NUMBER OF VALID SCORES # 73

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .8546

DIFFERENCE # .0008 P # .9387

MODEL 2, ACH # CAT + CB R2 # .8546

DIFFERENCE # .0011 P # .4828

MODEL 3, ACH # CAT R2 # .8535

BETA FOR CB IN MODEL 2 # *.0328

HI CB # 2.1575 LO CB # 1.2398

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # *.8926
LO CAT, HI CB # *.9528
HI CAT, LO CB # .9576
HI CAT, HI CB # .8868

USE PEER TUTORS, COLLEGE STUDENTS; BUDDY SYSTEM

CB VARIABLE 92 ID # 07394
NUMBER OF VALID SCORES # 73

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .8706

DIFFERENCE # .0139 P # .0862

MODEL 2, ACH # CAT + CB R2 # .8567

DIFFERENCE # .0031 P # .2172

MODEL 3, ACH # CAT R2 # .8535

BETA FOR CB IN MODEL 2 # *.8569

HI CB # 1.5084 LO CB # .7929

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # *1.0530
LO CAT, HI CB # *.0589
HI CAT, LO CB # 1.0885
HI CAT, HI CB # .7639

USE INDIVIDUAL HELP; EXTRA ORAL READING; SPECIAL ATTENTION

CB VARIABLE 91 ID # 07393
NUMBER OF VALID SCORES # 73

MODEL 1, ACH # CAT + CB + CAT*CB R2 # .8542

DIFFERENCE # .0006 P # .6168

MODEL 2, ACH # CAT + CB R2 # .8536

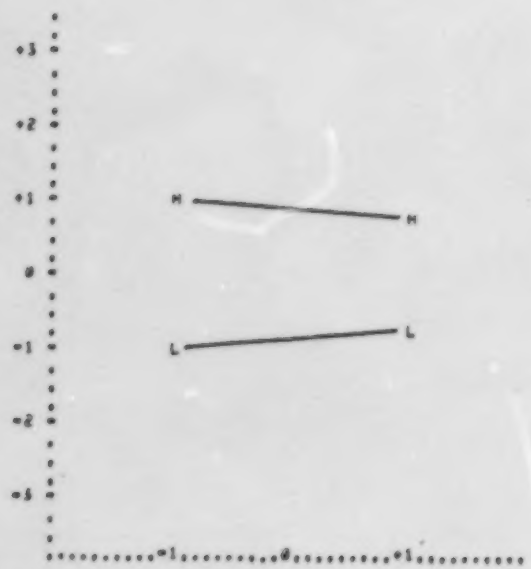
DIFFERENCE # .0001 P # .8472

MODEL 3, ACH # CAT R2 # .8535

BETA FOR CB IN MODEL 2 # *.0085

HI CB # 1.7985 LO CB # .8599

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB # *.9481
LO CAT, HI CB # *.9185
HI CAT, LO CB # .9592
HI CAT, HI CB # .8962



USE RESOURCE TEACHER, READING SPECIALIST, READING SKILLS LAB

CB VARIABLE 93 ID = 07395
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8592

DIFFERENCE = .0005 P = .1378

MODEL 2, ACH = CAT + CB R2 = .8547

DIFFERENCE = .0012 P = .4629

MODEL 3, ACH = CAT R2 = .8535

BETA FOR CB IN MODEL 2 = .0351

HI CB = 1.0350 LO CB = .8753

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0887
LO CAT, HI CB = -.7654
HI CAT, LO CB = .9467
HI CAT, HI CB = .8958

USE AUDIOVISUAL AIDS

CB VARIABLE 94 ID = 07396
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8612

DIFFERENCE = .0012 P = .4524

MODEL 2, ACH = CAT + CB R2 = .8601

DIFFERENCE = .0065 P = .0715

MODEL 3, ACH = CAT R2 = .8535

BETA FOR CB IN MODEL 2 = -.0888

HI CB = 1.5864 LO CB = .7929

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8249
LO CAT, HI CB = -1.0728
HI CAT, LO CB = .9683
HI CAT, HI CB = .9665

OTHER: GIVE ORAL DIRECTIONS; READ TO STUDENT, ETC.

CB VARIABLE 95 ID = 07397
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8586

DIFFERENCE = .0000 P = .9348

MODEL 2, ACH = CAT + CB R2 = .8586

DIFFERENCE = .0051 P = .1136

MODEL 3, ACH = CAT R2 = .8535

BETA FOR CB IN MODEL 2 = -.0713

HI CB = 1.0526 LO CB = .8871

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8538
LO CAT, HI CB = -1.0026
HI CAT, LO CB = .9953
HI CAT, HI CB = .8596

USED TECHNIQUES TO REMEDIATE READING PROBLEM

CB VARIABLE 96 ID = 07398
NUMBER OF VALID SCORES = 69

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8469

DIFFERENCE = .0007 P = .5884

MODEL 2, ACH = CAT + CB R2 = .8461

DIFFERENCE = .0008 P = .9869

MODEL 3, ACH = CAT R2 = .8461

BETA FOR CB IN MODEL 2 = .0054

HI CB = 1.9467 LO CB = .9519

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8919
LO CAT, HI CB = -.9548
HI CAT, LO CB = .8629
HI CAT, HI CB = .9475

USES PEER TUTORING

CB VARIABLE 97 ID = 07399
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8642

DIFFERENCE = .0003 P = .6994

MODEL 2, ACH = CAT + CB R2 = .8639

DIFFERENCE = .0096 P = .0260

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0980

HI CB = 3.1659 LO CB = 1.6341

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8197
LO CAT, HI CB = -1.0001
HI CAT, LO CB = 1.0096
HI CAT, HI CB = .8518

ADVANTAGES OF PEER TUTORING:
PEER TUTORING MAXIMIZES TEACHER TIME AND EFFORT

CB VARIABLE 98 ID = 07400
NUMBER OF VALID SCORES = 69

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8525

DIFFERENCE = .0031 P = .2424

MODEL 2, ACH = CAT + CB R2 = .8493

DIFFERENCE = .0002 P = .7791

MODEL 3, ACH = CAT R2 = .8492

BETA FOR CB IN MODEL 2 = .0133

HI CB = 1.7849 LO CB = .8528

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8798
LO CAT, HI CB = -.9566
HI CAT, LO CB = .8547
HI CAT, HI CB = 1.0834

PEER TUTORING HAS ACADEMIC ADVANTAGES FOR TUTEE

CB VARIABLE 99 ID = 07401
NUMBER OF VALID SCORES = 69

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8497

DIFFERENCE = .0004 P = .6975

MODEL 2, ACH = CAT + CB R2 = .8494

DIFFERENCE = .0002 P = .7592

MODEL 3, ACH = CAT R2 = .8492

BETA FOR CB IN MODEL 2 = .0153

HI CB = 2.1078 LO CB = 1.1386

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8969
LO CAT, HI CB = -.9252
HI CAT, LO CB = .8926
HI CAT, HI CB = .9580

PEER TUTORING HAS AFFECTIVE ADVANTAGES FOR TUTEE

CB VARIABLE100 ID = 07402
NUMBER OF VALID SCORES = 69

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8550

DIFFERENCE = .0029 P = .2594

MODEL 2, ACH = CAT + CB R2 = .8522

DIFFERENCE = .0030 P = .2509

MODEL 3, ACH = CAT R2 = .8492

BETA FOR CB IN MODEL 2 = -.0547

HI CB = 2.0481 LO CB = 1.0533

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7982
LO CAT, HI CB = -1.0198
HI CAT, LO CB = .9189
HI CAT, HI CB = .9110

PEER TUTORING HAS ADVANTAGES FOR TUTOR, BOTH ACADEMIC AND AFFECTIVE

```
CB VARIABLE  1       ID = 07403
NUMBER OF VALID SCORES =    69

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8495

   DIFFERENCE =   .0000   P =   .9773

MODEL 2, ACH = CAT + CB             R2 =   .8496

   DIFFERENCE =   .0003   P =   .7251

MODEL 3, ACH = CAT                  R2 =   .8492

BETA FOR CB IN MODEL 2 =   .0178

HI CB =    1.0014   LO CB =     .8922

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9361
   LO CAT, HI CB =    -.9841
   HI CAT, LO CB =     .9822
   HI CAT, HI CB =     .9378
```

DISADVANTAGES OF PEER TUTORING:
EFFECTIVENESS IS LIMITED BY HIS SKILLS AND KNOWLEDGE

```
CB VARIABLE  2       ID = 07404
NUMBER OF VALID SCORES =    67

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8615

   DIFFERENCE =   .0009   P =   .5256

MODEL 2, ACH = CAT + CB             R2 =   .8606

   DIFFERENCE =   .0001   P =   .8732

MODEL 3, ACH = CAT                  R2 =   .8606

BETA FOR CB IN MODEL 2 =   -.0077

HI CB =    1.0377   LO CB =     .8787

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8729
   LO CAT, HI CB =    -.9421
   HI CAT, LO CB =     .9819
   HI CAT, HI CB =     .9586
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TUTORING SESSION MAY TURN INTO SOCIALIZING

```
CB VARIABLE  3       ID = 07405
NUMBER OF VALID SCORES =    67

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8658

   DIFFERENCE =   .0002   P =   .7578

MODEL 2, ACH = CAT + CB             R2 =   .8656

   DIFFERENCE =   .0051   P =   .1217

MODEL 3, ACH = CAT                  R2 =   .8606

BETA FOR CB IN MODEL 2 =   -.0717

HI CB =    1.0487   LO CB =     .8878

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8623
   LO CAT, HI CB =    -.9819
   HI CAT, LO CB =    1.0061
   HI CAT, HI CB =     .8314
```

TUTOR-TUTEE INTERPERSONAL PROBLEMS MAY ARISE

```
CB VARIABLE  4       ID = 07406
NUMBER OF VALID SCORES =    67

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8655

   DIFFERENCE =   .0004   P =   .6645

MODEL 2, ACH = CAT + CB             R2 =   .8651

   DIFFERENCE =   .0045   P =   .1435

MODEL 3, ACH = CAT                  R2 =   .8606

BETA FOR CB IN MODEL 2 =   -.0689

HI CB =    1.0935   LO CB =     .9125

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8708
   LO CAT, HI CB =    -.9784
   HI CAT, LO CB =    1.0022
   HI CAT, HI CB =     .8220
```

PEER TUTOR IS PENALIZED ACADEMICALLY; TAKES TIME FROM OWN WORK

CB VARIABLE 5 ID = 07407
NUMBER OF VALID SCORES = 67

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0630

DIFFERENCE = .0016 P = .3983

MODEL 2, ACH = CAT + CB R2 = .0614

DIFFERENCE = .0008 P = .5486

MODEL 3, ACH = CAT R2 = .0606

BETA FOR CB IN MODEL 2 = .0308

HI CB = 1.7119 LO CB = .8259

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9987
LO CAT, HI CB = -.8675
HI CAT, LO CB = .9269
HI CAT, HI CB = .9273

TEACHER HAS STUDENTS READ ALOUD

CB VARIABLE 6 ID = 07408
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0628

DIFFERENCE = .0073 P = .0531

MODEL 2, ACH = CAT + CB R2 = .0555

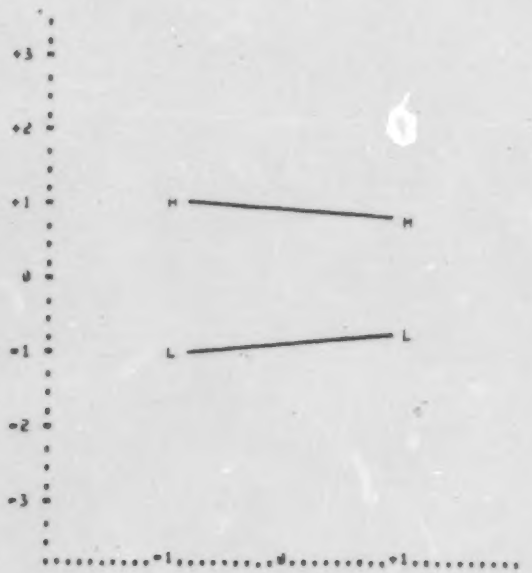
DIFFERENCE = .0012 P = .4410

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0354

HI CB = 2.2066 LO CB = 1.4734

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0215
LO CAT, HI CB = -.8078
HI CAT, LO CB = 1.0043
HI CAT, HI CB = .8628



TEACHER HAS STUDENTS READ ALOUD:
TO ASSESS ABILITY, CATCH PROBLEMS

CB VARIABLE 7 ID = 07409
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8559

DIFFERENCE = .0000 P = .9827

MODEL 2, ACH = CAT + CB R2 = .8557

DIFFERENCE = .0007 P = .5808

MODEL 3, ACH = CAT R2 = .8551

BETA FOR CB IN MODEL 2 = .0259

HI CB = 1.7602 LO CB = .8425

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9529
LO CAT, HI CB = -.8985
HI CAT, LO CB = .9815
HI CAT, HI CB = .9445

TO INSURE ALL UNDERSTAND; AID TO POOR READERS

CB VARIABLE 6 ID = 07410
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8557

DIFFERENCE = .0011 P = .4563

MODEL 2, ACH = CAT + CB R2 = .8546

DIFFERENCE = .0005 P = .7280

MODEL 3, ACH = CAT R2 = .8551

BETA FOR CB IN MODEL 2 = -.1031

HI CB = 1.9498 LO CB = .9548

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8487
LO CAT, HI CB = -.9772
HI CAT, LO CB = 1.8246
HI CAT, HI CB = .7477

BECAUSE KIDS ENJOY IT

CB VARIABLE 9 ID = 07411
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8570

DIFFERENCE = .0018 P = .3575

MODEL 2, ACH = CAT + CB R2 = .8552

DIFFERENCE = .0001 P = .8898

MODEL 3, ACH = CAT R2 = .8551

BETA FOR CB IN MODEL 2 = -.0188

HI CB = 1.8866 LO CB = .9870

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8603
LO CAT, HI CB = -.9678
HI CAT, LO CB = .8926
HI CAT, HI CB = .9577

TO FACILITATE PARTICIPATION, GAIN INTEREST

CB VARIABLE 10 ID = 07412
NUMBER OF VALID SCORES = 73

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8588

DIFFERENCE = .0031 P = .2219

MODEL 2, ACH = CAT + CB R2 = .8557

DIFFERENCE = .0006 P = .6839

MODEL 3, ACH = CAT R2 = .8551

BETA FOR CB IN MODEL 2 = .0248

HI CB = 1.7288 LO CB = .8288

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8988
LO CAT, HI CB = -.9832
HI CAT, LO CB = .8438
HI CAT, HI CB = .9985

TO FACILITATE DISCUSSION; QUESTIONS ARISE; CAN STRESS POINTS

CB VARIABLE 11 ID = 07413
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8559

DIFFERENCE = .0006 P = .6878

MODEL 2, ACH = CAT + CB R2 = .8553

DIFFERENCE = .0002 P = .7669

MODEL 3, ACH = CAT R2 = .8551

BETA FOR CB IN MODEL 2 = .0189

HI CB = 1.5007 LO CB = .7955

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9638
LO CAT, HI CB = -.8788
HI CAT, LO CB = .9386
HI CAT, HI CB = .9228

AS TEACHING TOOL; GIVES PRACTICE; LEARN PRONUNCIATION

CB VARIABLE 12 ID = 07414
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8665

DIFFERENCE = .0005 P = .1272

MODEL 2, ACH = CAT + CB R2 = .8620

DIFFERENCE = .0069 P = .0638

MODEL 3, ACH = CAT R2 = .8551

BETA FOR CB IN MODEL 2 = .0834

HI CB = 1.5007 LO CB = .7955

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0769
LO CAT, HI CB = -.7568
HI CAT, LO CB = .9228
HI CAT, HI CB = .8864

OTHER REASONS TO HAVE STUDENTS READ ALOUD

CB VARIABLE 13 ID = 07415
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8658

DIFFERENCE = .0015 P = .3851

MODEL 2, ACH = CAT + CB R2 = .8635

DIFFERENCE = .0092 P = .0298

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0967

HI CB = 1.5004 LO CB = .7929

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0593
LO CAT, HI CB = -.7259
HI CAT, LO CB = .8486
HI CAT, HI CB = .9667

APPROPRIATE COMPOSITION CRITERIA FOR ENGLISH INCLUDES PUNCTUATION, CAPITALS

CB VARIABLE 14 ID = 07416
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8630

DIFFERENCE = .0015 P = .3870

MODEL 2, ACH = CAT + CB R2 = .8615

DIFFERENCE = .0072 P = .0541

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0858

HI CB = 1.9858 LO CB = .9209

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9639
LO CAT, HI CB = -.8715
HI CAT, LO CB = .7893
HI CAT, HI CB = 1.0340

SPELLING

CB VARIABLE 15 ID = 07417
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0501

DIFFERENCE = .0004 P = .6515

MODEL 2, ACH = CAT + CB R2 = .0557

DIFFERENCE = .0014 P = .4138

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0372

HI CB = 1.7678 LO CB = .8456

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9069
LO CAT, HI CB = -.9398
HI CAT, LO CB = .9813
HI CAT, HI CB = .8648

GRAMMAR

CB VARIABLE 16 ID = 07418
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0557

DIFFERENCE = .0005 P = .6279

MODEL 2, ACH = CAT + CB R2 = .0552

DIFFERENCE = .0009 P = .5167

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0297

HI CB = 1.7298 LO CB = .8319

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9765
LO CAT, HI CB = -.8733
HI CAT, LO CB = .9172
HI CAT, HI CB = .9555

COMPLETE SENTENCES, GOOD SENTENCE STRUCTURE

CB VARIABLE 17 ID = 07419
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0569

DIFFERENCE = .0024 P = .2821

MODEL 2, ACH = CAT + CB R2 = .0545

DIFFERENCE = .0002 P = .7495

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0152

HI CB = 1.9796 LO CB = .9804

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8414
LO CAT, HI CB = -.9716
HI CAT, LO CB = .8987
HI CAT, HI CB = .9589

PARAGRAPHS, TOPIC SENTENCES

CB VARIABLE 18 ID = 07420
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0553

DIFFERENCE = .0001 P = .7887

MODEL 2, ACH = CAT + CB R2 = .0551

DIFFERENCE = .0008 P = .5326

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0291

HI CB = 1.8488 LO CB = .8868

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9378
LO CAT, HI CB = -.9862
HI CAT, LO CB = .8777
HI CAT, HI CB = .9575

SPECIFIED LENGTH

CB VARIABLE 19 ID = 07421
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0633

DIFFERENCE = .0029 P = .2283

MODEL 2, ACH = CAT + CB R2 = .0604

DIFFERENCE = .0061 P = .0763

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0782

HI CB = 1.7089 LO CB = .8245

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8992
LO CAT, HI CB = -.9438
HI CAT, LO CB = 1.0557
HI CAT, HI CB = .7889

ORGANIZATION, COHERENCE, STRUCTURE, UNITY

CB VARIABLE 21 ID = 07423
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0556

DIFFERENCE = .0013 P = .4346

MODEL 2, ACH = CAT + CB R2 = .0543

DIFFERENCE = .0000 P = .8819

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0064

HI CB = 2.0196 LO CB = 1.0204

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8931
LO CAT, HI CB = -.9521
HI CAT, LO CB = .8819
HI CAT, HI CB = .9666

OTHER COMPOSITION CRITERIA

CB VARIABLE 20 ID = 07422
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0548

DIFFERENCE = .0002 P = .7354

MODEL 2, ACH = CAT + CB R2 = .0546

DIFFERENCE = .0003 P = .7114

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0168

HI CB = 1.0000 LO CB = .0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9562
LO CAT, HI CB = -.8939
HI CAT, LO CB = .9226
HI CAT, HI CB = .9236

CONTENT; SUBJECT THAT CHALLENGES, INTERESTS STUDENT

CB VARIABLE 22 ID = 07424
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8758

DIFFERENCE = .0161 P = .0038

MODEL 2, ACH = CAT + CB R2 = .8589

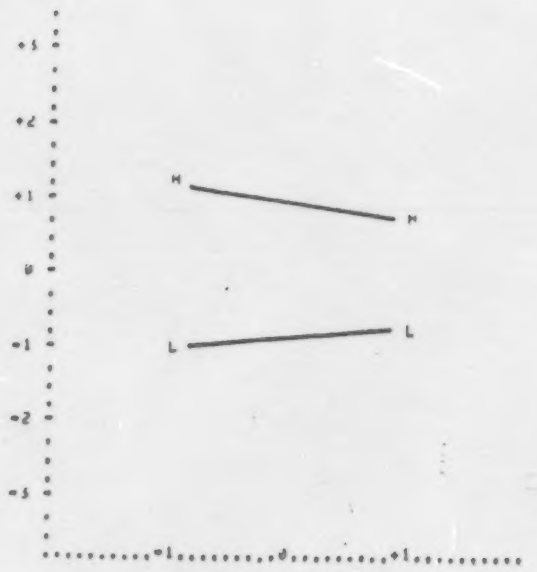
DIFFERENCE = .0046 P = .1281

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = *.0697

HI CB = 1.0226 LO CB = .0708

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = *.9862
LO CAT, HI CB = *.0021
HI CAT, LO CB = 1.1434
HI CAT, HI CB = .7828



CREATIVITY, ORIGINALITY, SELF-EXPRESSION

CB VARIABLE 23 ID = 07425
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8637

DIFFERENCE = .0092 P = .0298

MODEL 2, ACH = CAT + CB R2 = .8545

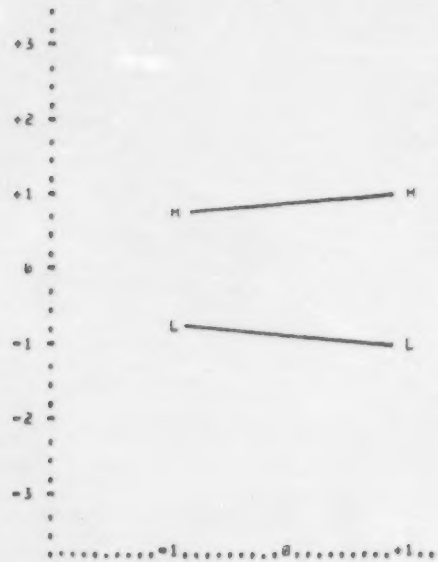
DIFFERENCE = .0002 P = .7819

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = *.0126

HI CB = 1.0230 LO CB = .0037

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = *.8262
LO CAT, HI CB = *.9959
HI CAT, LO CB = .8253
HI CAT, HI CB = 1.0953



CRITERIA INCLUDE MECHANICS ONLY

CB VARIABLE 24 ID = 07426
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8568

DIFFERENCE = 0.0000 P = 1.0000

MODEL 2, ACH = CAT + CB R2 = .8568

DIFFERENCE = .0017 P = .3658

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0410

HI CB = 1.6230 LO CB = .8037

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9662
LO CAT, HI CB = -.8843
HI CAT, LO CB = .8843
HI CAT, HI CB = .9662

CRITERIA INCLUDE CONTENT-STRUCTURE

CB VARIABLE 25 ID = 07427
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8570

DIFFERENCE = .0001 P = .8576

MODEL 2, ACH = CAT + CB R2 = .8570

DIFFERENCE = .0027 P = .2481

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0517

HI CB = 2.1920 LO CB = 1.3547

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8819
LO CAT, HI CB = -.9679
HI CAT, LO CB = .9853
HI CAT, HI CB = .8645

TEACHER USES GAMES, FUN-DEVICES:
FOR INSTRUCTION, SOCIAL INTERACTION

CB VARIABLE 26 ID = 07428
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8563

DIFFERENCE = .0012 P = .6578

MODEL 2, ACH = CAT + CB R2 = .8552

DIFFERENCE = .0009 P = .5248

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0292

HI CB = 2.2000 LO CB = 1.4000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9383
LO CAT, HI CB = -.9213
HI CAT, LO CB = 1.0008
HI CAT, HI CB = .0619

AS INSTRUCTIONAL SUPPLEMENTS

CB VARIABLE 27 ID = 07429
NUMBER OF VALID SCORES = 58

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8563

DIFFERENCE = .0051 P = .1685

MODEL 2, ACH = CAT + CB R2 = .8512

DIFFERENCE = .0018 P = .4203

MODEL 3, ACH = CAT R2 = .8494

BETA FOR CB IN MODEL 2 = -.0432

HI CB = 2.1982 LO CB = 1.3888

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7390
LO CAT, HI CB = -1.0367
HI CAT, LO CB = .8698
HI CAT, HI CB = .9349

FOR PROMOTING SOCIAL INTERACTION, GETTING TO KNOW STUDENTS

CB VARIABLE 28 ID = 07438
NUMBER OF VALID SCORES = 58

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0001

DIFFERENCE = .0032 P = .2736

MODEL 2, ACH = CAT + CB R2 = .0569

DIFFERENCE = .0075 P = .0912

MODEL 3, ACH = CAT R2 = .0494

BETA FOR CB IN MODEL 2 = -.0869

HI CB = 2.0000 LO CB = 1.0000

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8972
LO CAT, HI CB = -.9594
HI CAT, LO CB = 1.0886
HI CAT, HI CB = .7933

RARELY, OCCASIONALLY DURING THE YEAR

CB VARIABLE 29 ID = 07431
NUMBER OF VALID SCORES = 58

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0542

DIFFERENCE = .0046 P = .2029

MODEL 2, ACH = CAT + CB R2 = .0496

DIFFERENCE = .0004 P = .7184

MODEL 3, ACH = CAT R2 = .0494

BETA FOR CB IN MODEL 2 = .0204

HI CB = 1.0693 LO CB = .0135

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8687
LO CAT, HI CB = -1.0276
HI CAT, LO CB = .8539
HI CAT, HI CB = .9620

IN ORAL REPORTS, SPEECHES, RECITATION, DEBATE

CB VARIABLE 30 ID = 07432
NUMBER OF VALID SCORES = 69

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0686

DIFFERENCE = .0000 P = .9122

MODEL 2, ACH = CAT + CB R2 = .0685

DIFFERENCE = .0001 P = .8179

MODEL 3, ACH = CAT R2 = .0684

BETA FOR CB IN MODEL 2 = .0100

HI CB = 2.2026 LO CB = 1.4266

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9475
LO CAT, HI CB = -.9172
HI CAT, LO CB = .9274
HI CAT, HI CB = .9374

IN ACTING, ROLE-PLAYING, PANTOMIME

CB VARIABLE 31 ID = 07433
NUMBER OF VALID SCORES = 69

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0808

DIFFERENCE = .0027 P = .2268

MODEL 2, ACH = CAT + CB R2 = .0773

DIFFERENCE = .0088 P = .0310

MODEL 3, ACH = CAT R2 = .0684

BETA FOR CB IN MODEL 2 = -.0963

HI CB = 2.0072 LO CB = 1.0073

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7462
LO CAT, HI CB = -1.0471
HI CAT, LO CB = .9638
HI CAT, HI CB = .8762

IN READING ALOUD STORIES, PLAYS, POETRY

CB VARIABLE 32 ID = 07434
NUMBER OF VALID SCORES = 69

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0695

DIFFERENCE = .0010 P = .0897

MODEL 2, ACH = CAT + CB R2 = .0685

DIFFERENCE = .0001 P = .0533

MODEL 3, ACH = CAT R2 = .0684

BETA FOR CB IN MODEL 2 = -.0089

HI CB = 1.0773 LO CB = .0157

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9552
LO CAT, HI CB = -.9121
HI CAT, LO CB = .9716
HI CAT, HI CB = .8899

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IN ART, BULLETIN BOARDS, POSTERS

CB VARIABLE 33 ID = 07435
NUMBER OF VALID SCORES = 69

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0701

DIFFERENCE = .0016 P = .3792

MODEL 2, ACH = CAT + CB R2 = .0685

DIFFERENCE = .0001 P = .0693

MODEL 3, ACH = CAT R2 = .0684

BETA FOR CB IN MODEL 2 = .0082

HI CB = 1.0851 LO CB = .0807

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9830
LO CAT, HI CB = -.9698
HI CAT, LO CB = .8836
HI CAT, HI CB = .9982

OTHER: GAMES, LISTENING STATION

CB VARIABLE 34 ID = 07436
NUMBER OF VALID SCORES = 69

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0731

DIFFERENCE = .0015 P = .3868

MODEL 2, ACH = CAT + CB R2 = .0716

DIFFERENCE = .0032 P = .2045

MODEL 3, ACH = CAT R2 = .0684

BETA FOR CB IN MODEL 2 = .0562

HI CB = 1.0847 LO CB = .0619

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9528
LO CAT, HI CB = -.9184
HI CAT, LO CB = .8396
HI CAT, HI CB = 1.0325

TEACHER ACCOUNTS FOR DIFFERENCES BETWEEN OBSERVED SECTIONS:
BY SIZE OF CLASS

CB VARIABLE 35 ID = 07437
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0566

DIFFERENCE = .0008 P = .5277

MODEL 2, ACH = CAT + CB R2 = .0557

DIFFERENCE = .0014 P = .4894

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0382

HI CB = 1.0847 LO CB = .0619

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9188
LO CAT, HI CB = -.9365
HI CAT, LO CB = .9836
HI CAT, HI CB = .8416

BY TIME OF DAY

```
CB VARIABLE 36       ID = 07438
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0598

   DIFFERENCE =   .0033   P =   .1977

MODEL 2, ACH = CAT + CB             R2 =   .0565

   DIFFERENCE =   .0022   P =   .3013

MODEL 3, ACH = CAT                  R2 =   .0543

BETA FOR CB IN MODEL 2 =  -.0060

HI CB =    1.0058   LO CB =     .9209

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9271
   LO CAT, HI CB =    -.9048
   HI CAT, LO CB =    1.0165
   HI CAT, HI CB =     .7997
```

BY DIFFERENCE IN ABILITY LEVELS SOME CLASSES BRIGHTER THAN OTHERS

```
CB VARIABLE 38       ID = 07440
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0579

   DIFFERENCE =   .0002   P =   .7325

MODEL 2, ACH = CAT + CB             R2 =   .0576

   DIFFERENCE =   .0033   P =   .1972

MODEL 3, ACH = CAT                  R2 =   .0543

BETA FOR CB IN MODEL 2 =  -.0568

HI CB =    2.0322   LO CB =    1.0344

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8392
   LO CAT, HI CB =    -.9871
   HI CAT, LO CB =     .9683
   HI CAT, HI CB =     .8741
```


BY DIFFERENT ABILITY LEVELS DUE TO TRACKING OR ABILITY GROUPING

```
CB VARIABLE 37       ID = 07439
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0567

   DIFFERENCE =   .0017   P =   .3680

MODEL 2, ACH = CAT + CB             R2 =   .0550

   DIFFERENCE =   .0007   P =   .5591

MODEL 3, ACH = CAT                  R2 =   .0543

BETA FOR CB IN MODEL 2 =   .0268

HI CB =    1.3842   LO CB =     .8824

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9918
   LO CAT, HI CB =    -.8698
   HI CAT, LO CB =     .9351
   HI CAT, HI CB =     .9387
```

BY EXTREMES OF ABILITY WITHIN CLASS VERSUS HOMOGENOUS ABILITY

```
CB VARIABLE 39       ID = 07441
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .0546

   DIFFERENCE =   .0002   P =   .7539

MODEL 2, ACH = CAT + CB             R2 =   .0543

   DIFFERENCE =   .0000   P =   .8872

MODEL 3, ACH = CAT                  R2 =   .0543

BETA FOR CB IN MODEL 2 =   .0061

HI CB =    1.5266   LO CB =     .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9063
   LO CAT, HI CB =    -.9460
   HI CAT, LO CB =     .9332
   HI CAT, HI CB =     .9192
```

BY DIFFERENCES IN STUDENT MOTIVATION, MATURITY, WORK HABITS, COOPERATION

```
CB VARIABLE 66       ID = 07402
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8549

   DIFFERENCE =   .0008   P =   .9429

MODEL 2, ACH = CAT + CB             R2 =   .8506

   DIFFERENCE =   .0023   P =   .2878

MODEL 3, ACH = CAT                  R2 =   .8483

BETA FOR CB IN MODEL 2 =  -.0488

HI CB =    2.0791   LO CB =    1.0902

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8746
   LO CAT, HI CB =    -.9654
   HI CAT, LO CB =     .9783
   HI CAT, HI CB =     .8688
```

BY DIFFERENCES IN CLASS PERSONALITY, INTERPERSONAL RELATIONS

```
CB VARIABLE 62       ID = 07404
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8600

   DIFFERENCE =   .0011   P =   .4745

MODEL 2, ACH = CAT + CB             R2 =   .8589

   DIFFERENCE =   .0046   P =   .1256

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =   .0689

HI CB =    1.9796   LO CB =     .9804

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9618
   LO CAT, HI CB =    -.8983
   HI CAT, LO CB =     .8164
   HI CAT, HI CB =    1.0197
```


BY DIFFERENCES IN BEHAVIOR PROBLEMS, NUMBER OF TROUBLESOME KIDS, ETC.

```
CB VARIABLE 61       ID = 07403
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8585

   DIFFERENCE =   .0032   P =   .2894

MODEL 2, ACH = CAT + CB             R2 =   .8553

   DIFFERENCE =   .0010   P =   .6854

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0321

HI CB =    2.0196   LO CB =    1.0204

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9583
   LO CAT, HI CB =    -.9054
   HI CAT, LO CB =    1.0087
   HI CAT, HI CB =     .8126
```

BY DIFFERENCES IN TEACHER-STUDENT RELATIONSHIP, TEACHER AFFECT

```
CB VARIABLE 43       ID = 07445
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =    .0621

   DIFFERENCE =    .0078   P =    .0462

MODEL 2, ACH = CAT + CB             R2 =    .0543

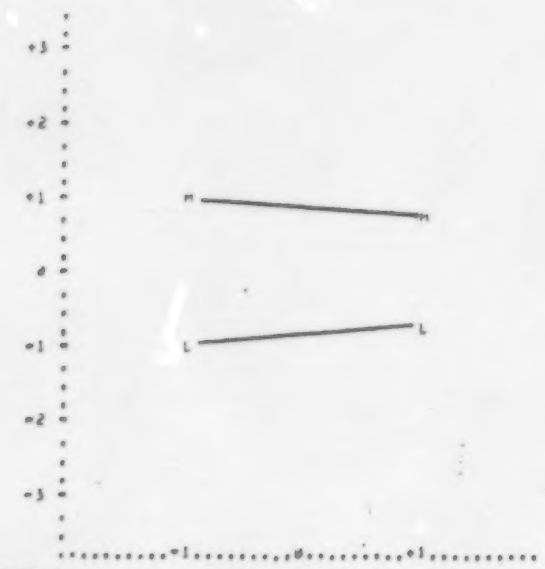
   DIFFERENCE =    .0000   P =    .9630

MODEL 3, ACH = CAT                  R2 =    .0543

BETA FOR CB IN MODEL 2 =    .0026

HI CB =     1.3513   LO CB =      .0087

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -1.0827
   LO CAT, HI CB =     -.6726
   HI CAT, LO CB =     1.0288
   HI CAT, HI CB =      .7839
```



BY DIFFERENCES IN BACKGROUND, SES, HOME ENVIRONMENT

```
CB VARIABLE 46       ID = 07446
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =    .0612

   DIFFERENCE =    .0000   P =    .8845

MODEL 2, ACH = CAT + CB             R2 =    .0612

   DIFFERENCE =    .0069   P =    .0598

MODEL 3, ACH = CAT                  R2 =    .0543

BETA FOR CB IN MODEL 2 =    .0037

HI CB =     1.3842   LO CB =      .0024

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -1.0155
   LO CAT, HI CB =     -.6552
   HI CAT, LO CB =      .8448
   HI CAT, HI CB =     1.0293
```

NO DIFFERENCES, OR CHANCE ACCOUNTS FOR DIFFERENCES

```
CB VARIABLE 45       ID = 07447
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =    .0545

   DIFFERENCE =    .0002   P =    .7341

MODEL 2, ACH = CAT + CB             R2 =    .0543

   DIFFERENCE =    .0000   P =    .9779

MODEL 3, ACH = CAT                  R2 =    .0543

BETA FOR CB IN MODEL 2 =    .0012

HI CB =     1.3513   LO CB =      .0087

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =     -.9279
   LO CAT, HI CB =     -.9448
   HI CAT, LO CB =      .9071
   HI CAT, HI CB =      .9442
```

BY SEX AND RACIAL MAKE-UP

```
CB VARIABLE 46       ID = 07448
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8557

   DIFFERENCE =   .0012   P =   .8523

MODEL 2, ACH = CAT + CB             R2 =   .8545

   DIFFERENCE =   .0001   P =   .7832

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0123

HI CB =    1.3513   LO CB =     .8087

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9377
   LO CAT, HI CB =    -.9181
   HI CAT, LO CB =     .9762
   HI CAT, HI CB =     .8668
```

OTHER HOUR IS MUTI ATTENDANCE PATTERNS, ETC.

```
CB VARIABLE 47       ID = 07449
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8556

   DIFFERENCE =   .0009   P =   .5122

MODEL 2, ACH = CAT + CB             R2 =   .8547

   DIFFERENCE =   .0004   P =   .6520

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0208

HI CB =    1.5519   LO CB =     .7948

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8714
   LO CAT, HI CB =    -.9558
   HI CAT, LO CB =     .9086
   HI CAT, HI CB =     .9338
```


STUDENTS ARE RANDOMLY ASSIGNED TO CLASSES

```
CB VARIABLE 48       ID = 07450
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8551

   DIFFERENCE =   .0005   P =   .6208

MODEL 2, ACH = CAT + CB             R2 =   .8546

   DIFFERENCE =   .0003   P =   .7165

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =   .0164

HI CB =    2.1816   LO CB =    1.3117

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9560
   LO CAT, HI CB =    -.8823
   HI CAT, LO CB =     .9247
   HI CAT, HI CB =     .9152
```

TEACHER ADJUSTS STRATEGIES FOR DIFFERENT CLASS MAKE-UP:
UNSPECIFIED ADJUSTMENTS; DOES NOT TELL HOW SHE ADJUSTS

```
CB VARIABLE 49       ID = 07451
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8561

   DIFFERENCE =   .0019   P =   .3242

MODEL 2, ACH = CAT + CB             R2 =   .8581

   DIFFERENCE =   .0038   P =   .1636

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =   .0631

HI CB =    1.7486   LO CB =     .8384

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9521
   LO CAT, HI CB =    -.8996
   HI CAT, LO CB =     .8282
   HI CAT, HI CB =    1.0562
```

VARIES METHODS, BUT NOT CURRICULUM

```
CB VARIABLE 50      ID = 07452
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8766

   DIFFERENCE =   .0222   P =   .0019

MODEL 2, ACH = CAT + CB             R2 =   .8543

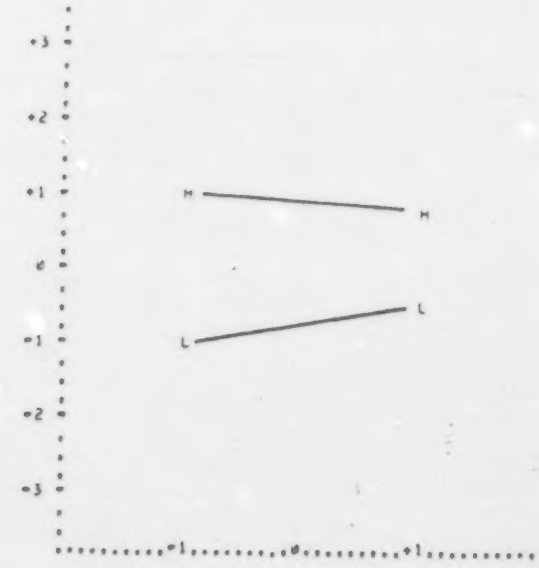
   DIFFERENCE =   .0000   P =   .9926

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0057

HI CB =    1.7298   LO CB =     .8318

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -1.0924
   LO CAT, HI CB =    -.4208
   HI CAT, LO CB =    1.0452
   HI CAT, HI CB =     .8680
```



VARIES CURRICULUM, MATERIALS, EMPHASIS, BUT NOT METHODS

```
CB VARIABLE 51      ID = 07453
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8601

   DIFFERENCE =   .0006   P =   .5981

MODEL 2, ACH = CAT + CB             R2 =   .8595

   DIFFERENCE =   .0052   P =   .1821

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0731

HI CB =    1.5519   LO CB =     .7948

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8169
   LO CAT, HI CB =    -.9972
   HI CAT, LO CB =     .9591
   HI CAT, HI CB =     .8687
```

VARIES BOTH CURRICULUM AND METHODS

```
CB VARIABLE 52      ID = 07454
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8565

   DIFFERENCE =   .0019   P =   .3343

MODEL 2, ACH = CAT + CB             R2 =   .8546

   DIFFERENCE =   .0002   P =   .7296

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0158

HI CB =    1.5004   LO CB =     .7929

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8671
   LO CAT, HI CB =    -.9591
   HI CAT, LO CB =     .8881
   HI CAT, HI CB =     .9612
```

VARIES STRUCTURE, DISCIPLINE, CONTROL

CB VARIABLE 53 ID = 07455
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8566

DIFFERENCE = .0001 P = .7982

MODEL 2, ACH = CAT + CB R2 = .8565

DIFFERENCE = .0022 P = .3812

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0465

HI CB = 1.3802 LO CB = .8024

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9810
LO CAT, HI CB = -.8671
HI CAT, LO CB = .8679
HI CAT, HI CB = .9814

ADJUSTS IN RESPONSE TO ABILITY LEVEL, OR INDIV. DIFF. IN ABILITY ONLY

CB VARIABLE 55 ID = 07457
NUMBER OF VALID SCORES = 67

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8678

DIFFERENCE = .0032 P = .2188

MODEL 2, ACH = CAT + CB R2 = .8638

DIFFERENCE = .0093 P = .0374

MODEL 3, ACH = CAT R2 = .8545

BETA FOR CB IN MODEL 2 = -.0977

HI CB = 1.0155 LO CB = .8024

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7497
LO CAT, HI CB = -1.0278
HI CAT, LO CB = .9427
HI CAT, HI CB = .8652

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OTHERS DOES NOT ADJUST; GET TO ALL WITH BASICS; YOU HAVE TO TRY

CB VARIABLE 54 ID = 07456
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8548

DIFFERENCE = .0001 P = .8679

MODEL 2, ACH = CAT + CB R2 = .8543

DIFFERENCE = .0008 P = .9339

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0036

HI CB = 1.5266 LO CB = .7934

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9137
LO CAT, HI CB = -.9337
HI CAT, LO CB = .9194
HI CAT, HI CB = .9299

TO CLASS PERSONALITY, INTERESTS, ATTITUDES, EMOTIONAL NEEDS ONLY

CB VARIABLE 56 ID = 07458
NUMBER OF VALID SCORES = 67

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8592

DIFFERENCE = .0006 P = .6226

MODEL 2, ACH = CAT + CB R2 = .8586

DIFFERENCE = .0041 P = .1739

MODEL 3, ACH = CAT R2 = .8545

BETA FOR CB IN MODEL 2 = -.0648

HI CB = 1.4437 LO CB = .7951

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9257
LO CAT, HI CB = -.8841
HI CAT, LO CB = 1.0260
HI CAT, HI CB = .8190

TO BOTH ABILITY AND PERSONALITY OF THE CLASS

CB VARIABLE 57 ID = 07459
NUMBER OF VALID SCORES = 67

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8564

DIFFERENCE = .0014 P = .4434

MODEL 2, ACH = CAT + CB R2 = .8550

DIFFERENCE = .0005 P = .6356

MODEL 3, ACH = CAT R2 = .8545

BETA FOR CB IN MODEL 2 = .0234

HI CB = 1.0869 LO CB = .8184

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9925
LO CAT, HI CB = -.8877
HI CAT, LO CB = .9457
HI CAT, HI CB = .9875

TEACHER BELIEVES SHE CAN DO LITTLE ABOUT
LACK OF PARENTAL ENCOURAGEMENT AND CONCERN

CB VARIABLE 58 ID = 07460
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8595

DIFFERENCE = .0051 P = .1085

MODEL 2, ACH = CAT + CB R2 = .8544

DIFFERENCE = .0001 P = .8428

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0087

HI CB = 1.0230 LO CB = .8837

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8401
LO CAT, HI CB = -.9828
HI CAT, LO CB = .8562
HI CAT, HI CB = .9982

HOME PROBLEMS) HOME ENVIRONMENT

CB VARIABLE 59 ID = 07461
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8557

DIFFERENCE = .0012 P = .4823

MODEL 2, ACH = CAT + CB R2 = .8544

DIFFERENCE = .0001 P = .7944

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0115

HI CB = 1.0899 LO CB = .9101

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9547
LO CAT, HI CB = -.9898
HI CAT, LO CB = .9735
HI CAT, HI CB = .8799

LEARNING DISABILITY, LOW IQ, HYPERACTIVE, NON-READERS, ETC.

CB VARIABLE 60 ID = 07462
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8596

DIFFERENCE = .0000 P = .9951

MODEL 2, ACH = CAT + CB R2 = .8596

DIFFERENCE = .0053 P = .1069

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0726

HI CB = 1.7089 LO CB = .8245

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8528
LO CAT, HI CB = -.9931
HI CAT, LO CB = .9979
HI CAT, HI CB = .8478

EMOTIONAL PROBLEMS, ADOLESCENCE, POOR PEER RELATIONSHIPS

CB VARIABLE 61 ID = 07463
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8594

DIFFERENCE = .0051 P = .1106

MODEL 2, ACH = CAT + CB R2 = .8543

DIFFERENCE = .0000 P = .9224

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0043

HI CB = 1.5763 LO CB = .7978

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0050
LO CAT, HI CB = -.8093
HI CAT, LO CB = .9836
HI CAT, HI CB = .8701

LACK OF INTEREST, MOTIVATION, SOME HAVE GIVEN UP, ALIENATED STUDENTS

CB VARIABLE 63 ID = 07465
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8544

DIFFERENCE = .0000 P = .8771

MODEL 2, ACH = CAT + CB R2 = .8544

DIFFERENCE = .0001 P = .8692

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0071

HI CB = 1.8488 LO CB = .8800

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9259
LO CAT, HI CB = -.9242
HI CAT, LO CB = .9387
HI CAT, HI CB = .9114

DISCIPLINE, BEHAVIOR PROBLEMS; DISRUPTIVE, ANTAGONISTIC STUDENTS

CB VARIABLE 62 ID = 07464
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8585

DIFFERENCE = .0041 P = .1505

MODEL 2, ACH = CAT + CB R2 = .8544

DIFFERENCE = .0001 P = .8539

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0080

HI CB = 1.5763 LO CB = .7978

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8636
LO CAT, HI CB = -.9986
HI CAT, LO CB = .8556
HI CAT, HI CB = .9835

STUDENT PERSONALITY, OR TEACHER-STUDENT PERSONALITY CONFLICT

CB VARIABLE 66 ID = 07466
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8551

DIFFERENCE = .0008 P = .6666

MODEL 2, ACH = CAT + CB R2 = .8546

DIFFERENCE = .0003 P = .6878

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0185

HI CB = 1.5842 LO CB = .8024

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9279
LO CAT, HI CB = -.9152
HI CAT, LO CB = .8852
HI CAT, HI CB = .9648

RACIAL, ETHNIC, CULTURAL BACKGROUND AND VALUES

CB VARIABLE 65 ID = 07467
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0576

DIFFERENCE = .0015 P = .3998

MODEL 2, ACH = CAT + CB R2 = .0561

DIFFERENCE = .0018 P = .3467

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0425

HI CB = 1.0883 LO CB = .0184

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0031
LO CAT, HI CB = -.8339
HI CAT, LO CB = .9177
HI CAT, HI CB = .9238

CLASSROOM CONSTRAINTS: SIZE, TIME OF DAY, AVAILABLE MATERIALS, ETC.

CB VARIABLE 66 ID = 07468
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0566

DIFFERENCE = .0022 P = .2982

MODEL 2, ACH = CAT + CB R2 = .0544

DIFFERENCE = .0020 P = .6749

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0266

HI CB = 1.2788 LO CB = .0286

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8218
LO CAT, HI CB = -1.0735
HI CAT, LO CB = .8772
HI CAT, HI CB = .9911

TEACHER CAN ALWAYS TRY TO DO SOMETHING: CAN DO ATTITUDE

CB VARIABLE 67 ID = 07469
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0556

DIFFERENCE = .0003 P = .7211

MODEL 2, ACH = CAT + CB R2 = .0553

DIFFERENCE = .0010 P = .4840

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0323

HI CB = 1.3515 LO CB = .0087

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8760
LO CAT, HI CB = -.9597
HI CAT, LO CB = .9321
HI CAT, HI CB = .9114

OTHER: ABSENCE, SCHOOL POLICIES, GET STUCK WITH PROBLEM KIDS, ETC.

CB VARIABLE 68 ID = 07470
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0558

DIFFERENCE = .0001 P = .8461

MODEL 2, ACH = CAT + CB R2 = .0557

DIFFERENCE = .0014 P = .4655

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0386

HI CB = 1.5519 LO CB = .7948

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9497
LO CAT, HI CB = -.8936
HI CAT, LO CB = .8748
HI CAT, HI CB = .9650

MOST IMPORTANT ATTRIBUTES A JUNIOR HIGH TEACHER NEEDS
TO DO AN EFFECTIVE JOB:
NEED PATIENCE, FORTITUDE

CB VARIABLE 69 ID = 07471
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0501

DIFFERENCE = .0016 P = .3759

MODEL 2, ACH = CAT + CB R2 = .0545

DIFFERENCE = .0002 P = .7774

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = -.0126

HI CB = 1.9213 LO CB = .9321

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.8787
LO CAT, HI CB = -.9705
HI CAT, LO CB = .8988
HI CAT, HI CB = .9523

NEED ENERGY, HEALTH

CB VARIABLE 71 ID = 07473
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0664

DIFFERENCE = .0020 P = .2443

MODEL 2, ACH = CAT + CB R2 = .0634

DIFFERENCE = .0091 P = .0361

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0955

HI CB = 1.0871 LO CB = .0129

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -1.0871
LO CAT, HI CB = -.0875
HI CAT, LO CB = .8676
HI CAT, HI CB = .9139

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NEED SENSE OF HUMOR

CB VARIABLE 70 ID = 07472
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0545

DIFFERENCE = .0002 P = .7426

MODEL 2, ACH = CAT + CB R2 = .0543

DIFFERENCE = .0000 P = .0541

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0025

HI CB = 1.7078 LO CB = .8456

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9122
LO CAT, HI CB = -.9374
HI CAT, LO CB = .9071
HI CAT, HI CB = .9420

NEED HONESTY, SINCERITY OR A REAL PERSON

CB VARIABLE 72 ID = 07474
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .0555

DIFFERENCE = .0044 P = .9884

MODEL 2, ACH = CAT + CB R2 = .0555

DIFFERENCE = .0012 P = .0485

MODEL 3, ACH = CAT R2 = .0543

BETA FOR CB IN MODEL 2 = .0340

HI CB = 1.4154 LO CB = .7989

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9636
LO CAT, HI CB = -.8822
HI CAT, LO CB = .8941
HI CAT, HI CB = .9520

NEED GOOD, CONSISTENT, FAIR DISCIPLINE AND CONTROL

CB VARIABLE 73 ID = 07475
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8628

DIFFERENCE = .0007 P = .5462

MODEL 2, ACH = CAT + CB R2 = .8621

DIFFERENCE = .0078 P = .0445

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0898

HI CB = 1.7290 LO CB = .8310

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.7926
LO CAT, HI CB = -1.8160
HI CAT, LO CB = .9721
HI CAT, HI CB = .8484

LIKE KIDS AND TEACHING; DEVOTION, ENTHUSIAM; DESIRE TO BE THERE

CB VARIABLE 75 ID = 07477
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8602

DIFFERENCE = .0027 P = .2479

MODEL 2, ACH = CAT + CB R2 = .8576

DIFFERENCE = .0033 P = .2010

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0571

HI CB = 1.9058 LO CB = .9289

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9198
LO CAT, HI CB = -.9331
HI CAT, LO CB = 1.0314
HI CAT, HI CB = .8132

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UNDERSTANDING, CONCERN, CARING, INVOLVEMENT W/KIDS, THEIR PROBLEMS

CB VARIABLE 74 ID = 07476
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8595

DIFFERENCE = .0047 P = .1234

MODEL 2, ACH = CAT + CB R2 = .8548

DIFFERENCE = .0005 P = .6370

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = .0222

HI CB = 1.9058 LO CB = .9289

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9911
LO CAT, HI CB = -.7099
HI CAT, LO CB = .9883
HI CAT, HI CB = .8726

NEED COMMUNICATION SKILLS

CB VARIABLE 76 ID = 07478
NUMBER OF VALID SCORES = 75

MODEL 1, ACH = CAT + CB + CAT*CB R2 = .8572

DIFFERENCE = .0001 P = .8230

MODEL 2, ACH = CAT + CB R2 = .8571

DIFFERENCE = .0028 P = .2410

MODEL 3, ACH = CAT R2 = .8543

BETA FOR CB IN MODEL 2 = -.0543

HI CB = 1.4154 LO CB = .7980

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
LO CAT, LO CB = -.9882
LO CAT, HI CB = -.9465
HI CAT, LO CB = .9977
HI CAT, HI CB = .8779

NEED FLEXIBILITY; BE OPEN TO NEW IDEAS, METHODS; BE OPEN-MINDED

```
CB VARIABLE 77       ID = 07479
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .8564

   DIFFERENCE =   .0020   P =   .3198

MODEL 2, ACH = CAT + CB            R2 =   .8543

   DIFFERENCE =   .0000   P =   .9116

MODEL 3, ACH = CAT                 R2 =   .8543

BETA FOR CB IN MODEL 2 =   .0049

HI CB =    1.7486   LO CB =     .8380

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.8883
   LO CAT, HI CB =    -.9503
   HI CAT, LO CB =     .8756
   HI CAT, HI CB =     .9960
```

NEED GOOD KNOWLEDGE OF SUBJECT MATTER

```
CB VARIABLE 78       ID = 07480
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .8568

   DIFFERENCE =   .0027   P =   .5577

MODEL 2, ACH = CAT + CB            R2 =   .8561

   DIFFERENCE =   .0018   P =   .3549

MODEL 3, ACH = CAT                 R2 =   .8543

BETA FOR CB IN MODEL 2 =   .0419

HI CB =    2.0005   LO CB =    1.0488

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9302
   LO CAT, HI CB =    -.9822
   HI CAT, LO CB =     .8825
   HI CAT, HI CB =     .9847
```


NEED GOOD TEACHING SKILLS; ABILITY TO EXPLAIN, PREPARE, MOTIVATE

```
CB VARIABLE 79       ID = 07481
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .8706

   DIFFERENCE =   .0000   P =   .6305

MODEL 2, ACH = CAT + CB            R2 =   .8702

   DIFFERENCE =   .0159   P =   .0043

MODEL 3, ACH = CAT                 R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.1268

HI CB =    1.7865   LO CB =     .8535

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.7591
   LO CAT, HI CB =   -1.0498
   HI CAT, LO CB =    1.0146
   HI CAT, HI CB =     .8033
```

NEED CONCEPT OF APPROPRIATE TEACHER-STUDENT REALTIONSHIP

```
CB VARIABLE 80       ID = 07482
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB   R2 =   .8588

   DIFFERENCE =   .0039   P =   .1628

MODEL 2, ACH = CAT + CB            R2 =   .8549

   DIFFERENCE =   .0006   P =   .6827

MODEL 3, ACH = CAT                 R2 =   .8543

BETA FOR CB IN MODEL 2 =  -.0240

HI CB =    1.5519   LO CB =     .7968

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =    -.9699
   LO CAT, HI CB =    -.8886
   HI CAT, LO CB =    1.0126
   HI CAT, HI CB =     .8668
```

OTHERS SELF-CONTROL, GOOD JUDGE OF PEOPLE, ADEQUATE MATERIALS, ETC.

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CB VARIABLE 81        ID = 07483
NUMBER OF VALID SCORES =    75

MODEL 1, ACH = CAT + CB + CAT*CB    R2 =   .8688

   DIFFERENCE =   .0000   P =   .9876

MODEL 2, ACH = CAT + CB             R2 =   .8688

   DIFFERENCE =   .0057   P =   .0869

MODEL 3, ACH = CAT                  R2 =   .8543

BETA FOR CB IN MODEL 2 =   .0757

HI CB =    1.0047   LO CB =     .8619

EXPECTED VALUES FROM MODEL 1, (Z-SCALED)
   LO CAT, LO CB =   -1.0033
   LO CAT, HI CB =    -.8515
   HI CAT, LO CB =     .8519
   HI CAT, HI CB =    1.0028
```